OMB Number: 4040-0004 Expiration Date: 12/31/2022

| Application for | Federal Assista | nce SF | F-424 | | | |
|--|-----------------------|-----------|---|-----|---|--------|
| * 1. Type of Submiss Preapplication Application Changed/Corre | | ⊠ Ne | ee of Application: ew ontinuation evision | | f Revision, select appropriate letter(s): Other (Specify): | |
| * 3. Date Received: 05/18/2020 | | | cant Identifier: ge of Savoy | | | |
| 5a. Federal Entity Ide | entifier: | | | | 5b. Federal Award Identifier: | |
| State Use Only: | | | | | | |
| 6. Date Received by | State: | | 7. State Application | lde | entifier: | _ |
| 8. APPLICANT INFO | ORMATION: | | | | | _ |
| * a. Legal Name: S | avoy, Village | of | | | | _] |
| * b. Employer/Taxpa | yer Identification Nu | mber (EIN | I/TIN): | | * c. Organizational DUNS: | _ |
| d. Address: | | | | | | _ |
| * Street1: Street2: | 611 N. Dunlap | Ave. | | | | |
| * City: | Savoy | | | | | |
| County/Parish: * State: Province: | Champaign | | | | IL: Illinois | |
| * Country: | | | | | USA: UNITED STATES | |
| * Zip / Postal Code: | 61874-8406 | | | | | |
| e. Organizational U | Jnit: | | | | | |
| Department Name: | | | | | Division Name: | |
| f. Name and contac | ct information of p | erson to | be contacted on m | att | ters involving this application: | _ |
| Prefix: | | | * First Nam | e: | Levi | |
| Middle Name: | | | | | | |
| * Last Name: Kop | omann | | | | | |
| Title: Acting Mar | nager / Direct | or of I | Public Works | | | _ |
| Organizational Affilia | tion: | | | | | |
| * Telephone Number | : 2173595894 | | | | Fax Number: | Ī |
| *Email: levi.kopmann@savoy.illinois.gov | | | | | | |

| Application for Federal Assistance SF-424 |
|--|
| * 9. Type of Applicant 1: Select Applicant Type: |
| C: City or Township Government |
| Type of Applicant 2: Select Applicant Type: |
| |
| Type of Applicant 3: Select Applicant Type: |
| |
| * Other (specify): |
| |
| * 10. Name of Federal Agency: |
| Department of Transportation |
| 11. Catalog of Federal Domestic Assistance Number: |
| 20.933 |
| CFDA Title: |
| National Infrastructure Investments |
| * 12. Funding Opportunity Number: |
| DTOS59-20-RA-BUILD |
| * Title: |
| FY 2020 National Infrastructure Investments |
| |
| |
| 13. Competition Identification Number: |
| BUILD2-FY20 |
| Title: |
| FY20 BUILD GRANT |
| |
| |
| |
| 14. Areas Affected by Project (Cities, Counties, States, etc.): |
| Add Attachment Delete Attachment View Attachment |
| * 15. Descriptive Title of Applicant's Project: |
| Curtis Road Grade Separation and Complete Streets Project |
| |
| |
| Attach supporting documents as specified in agency instructions. |
| Add Attachments Delete Attachments View Attachments |
| |

| Application for Federal Assistance SF-424 | | | | | | | |
|---|---------------------------|-----------------------|------------------------|---------------------------|-----------------|--|--|
| 16. Congressional Districts Of: | | | | | | | |
| * a. Applicant | L-013 | | | * b. Program/Project | IL-013 | | |
| Attach an additional | list of Program/Project C | Congressional Distric | ts if needed. | | | | |
| | | | Add Attachment | Delete Attachment | View Attachment | | |
| 17. Proposed Project: | | | | | | | |
| * a. Start Date: 09/01/2020 * b. End Date: 12/31/2025 | | | | | | | |
| 18. Estimated Funding (\$): | | | | | | | |
| * a. Federal | | 20,457,900.00 | | | | | |
| * b. Applicant | | 4,800,000.00 | | | | | |
| * c. State | | 12,000,000.00 | | | | | |
| * d. Local | | 862,500.00 | | | | | |
| * e. Other | | 2,245,000.00 | | | | | |
| * f. Program Income | | 0.00 | | | | | |
| * g. TOTAL | | 40,365,400.00 | | | | | |
| * 19. Is Application | Subject to Review By | y State Under Exec | cutive Order 12372 P | rocess? | | | |
| a. This applicat | ion was made availab | le to the State und | er the Executive Orde | er 12372 Process for revi | iew on . | | |
| b. Program is s | subject to E.O. 12372 h | out has not been se | elected by the State f | or review. | | | |
| c. Program is n | ot covered by E.O. 12 | 372. | | | | | |
| * 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.) | | | | | | | |
| Yes | ☑ No | | | | | | |
| If "Yes", provide ex | planation and attach | | | _ | | | |
| Add Attachment Delete Attachment View Attachment | | | | | | | |
| 21. *By signing this application, I certify (1) to the statements contained in the list of certifications** and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001) ** I AGREE ** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions. | | | | | | | |
| Authorized Repres | entative: | _ | | | | | |
| Prefix: | | * Firs | st Name: Levi | | | | |
| Middle Name: | | | | | | | |
| * Last Name: Kopi | mann | _ | | | | | |
| Suffix: | | | | | | | |
| * Title: Actin | g Manager | | | | | | |
| * Telephone Number | 2173595894 | | F | Fax Number: | | | |
| * Email: levi.kop | mann@savoy.illin | ois.gov | | | | | |
| * Signature of Author | ized Representative: | Levi L Kopmann | | * Date Signed: 05/18/20 | 20 | | |

ATTACHMENTS FORM

Instructions: On this form, you will attach the various files that make up your grant application. Please consult with the appropriate Agency Guidelines for more information about each needed file. Please remember that any files you attach must be in the document format and named as specified in the Guidelines.

Important: Please attach your files in the proper sequence. See the appropriate Agency Guidelines for details.

| 1) Please attach Attachment 1 | 1234-BUILD Cover Letter Dykst | Add Attachment | Delete Attachment | View Attachment |
|---------------------------------|--------------------------------|----------------|-------------------|-----------------|
| 2) Please attach Attachment 2 | 1235-FY 2020 BUILD Application | Add Attachment | Delete Attachment | View Attachment |
| 3) Please attach Attachment 3 | 1236-SF424C_2_0-V2.0 (1).pdf | Add Attachment | Delete Attachment | View Attachment |
| 4) Please attach Attachment 4 | 1237-Form PerformanceSite_2_0 | Add Attachment | Delete Attachment | View Attachment |
| 5) Please attach Attachment 5 | 1238-Curtis Road Grade Separa | Add Attachment | Delete Attachment | View Attachment |
| 6) Please attach Attachment 6 | 1239-Savoy BUILD Letters of \$ | Add Attachment | Delete Attachment | View Attachment |
| 7) Please attach Attachment 7 | 1240-AttachmentForm_1_2-ATT5 | Add Attachment | Delete Attachment | View Attachment |
| 8) Please attach Attachment 8 | | Add Attachment | Delete Attachment | View Attachment |
| 9) Please attach Attachment 9 | | Add Attachment | Delete Attachment | View Attachment |
| 10) Please attach Attachment 10 | | Add Attachment | Delete Attachment | View Attachment |
| 11) Please attach Attachment 11 | | Add Attachment | Delete Attachment | View Attachment |
| 12) Please attach Attachment 12 | | Add Attachment | Delete Attachment | View Attachment |
| 13) Please attach Attachment 13 | | Add Attachment | Delete Attachment | View Attachment |
| 14) Please attach Attachment 14 | | Add Attachment | Delete Attachment | View Attachment |
| 15) Please attach Attachment 15 | | Add Attachment | Delete Attachment | View Attachment |



May 18, 2020

Honorable Elaine L. Chao Secretary of Transportation 1200 New Jersey Ave., SE 9th Floor Washington, DC 20590

Dear Secretary Chao,

I am pleased to submit for your consideration the FY 2020 BUILD Grant application for funding assistance toward the *Curtis Road Grade Separation + Complete Streets Project* located in Savoy, Illinois. This project has been a keystone of the long-term plan and strategic vision of the regional community for twenty years. Construction of the Curtis Road grade separation bridge will create a safer and improved crossing with Canadian National/IC Railroad for motorists, bicyclists and pedestrians, resulting in increased mobility and improved access to the existing transportation network of Champaign-Urbana Urbanized Area.

As part of our commitment to provide our residents and Champaign County with a safe, efficient and multimodal transportation system, Savoy has successfully secured nearly 50% of the estimated overall project cost of \$40,365,400 through local, county, and state resources. As a result, Savoy seeks to secure FY 2020 BUILD funding for the remaining \$20,457,900 of project costs.

Completion of the *Curtis Road Grade Separation + Complete Streets Project* is critical not only for Savoy, but also for our neighboring communities as we strive to achieve the safety, economic, and sustainability goals that have been set and pursued by our residents and leaders. For these reasons, I respectfully request that the United States Department of Transportation give full consideration of BUILD funding toward this project.

Sincerely,

Joan E. Dykstra

President, Village of Savoy

PRESIDENT Joan E. Dykstra

John P. Brown
Heather J. Mangian
Jan Carter Niccum
A.J. Ruggieri
Dee Shonkwiler
William R. Vavrik

MANAGER Richard Helton

ASSISTANT
MANAGERPUBLIC WORKS/
ENGINEER
Levi L. Kopmann

TREASURER Dennis K. Donaldson

Billie Jean Krueger
ZONING
ADMINISTRATOR
Daniel R. Davies

CLERK

FIRE CHIEF
Jason Dillingham

CURTIS ROAD GRADE SEPARATION + COMPLETE STREETS PROJECT



FY 2020 BUILD APPLICATION

May 18th, 2020

Submitted by



TABLE OF CONTENTS

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- II. PROJECT LOCATION 6
- III. GRANT FUNDS, SOURCES + USES OF PROJECT FUNDING 11
- IV. SELECTION CRITERIA 12
- V. ENVIRONMENTAL RISK REVIEW 21
- VI. BENEFIT COST ANALYSIS 24

INDEX





I. PROJECT DESCRIPTION

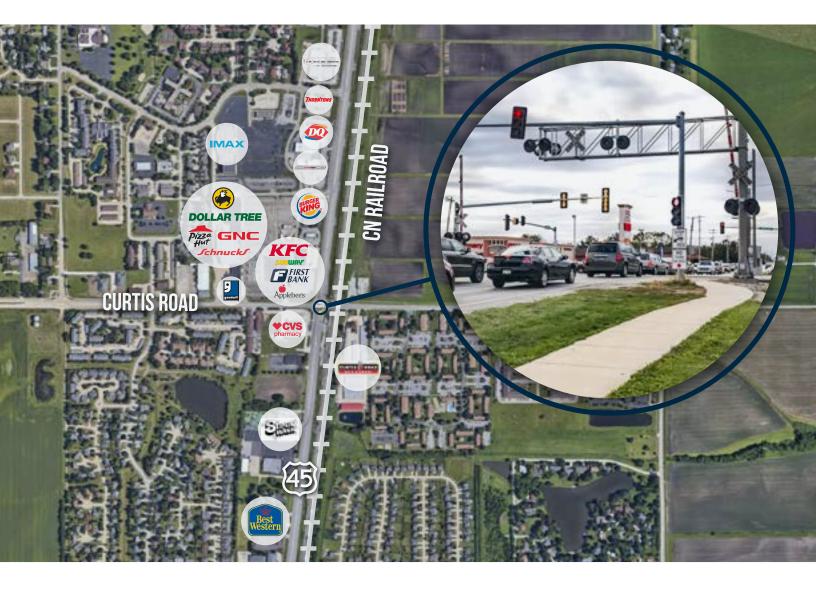


HE CURTIS ROAD GRADE SEPARATION + COMPLETE STREETS PROJECT would improve safety, reduce delays, and improve access from I-57 to the Cities of Champaign and Urbana, the Village of Savoy, and the University of Illinois and the University's attractions such as the Research Park, athletic facilities, and the world renowned agricultural research fields known as the South Farms located along Curtis Road. The grade separation and roadway improvements would also connect people to jobs and improve response times for medical and fire emergency services and improve reliability of transit service. In addition, bicycle lanes and off-street shared-use paths for bicycles and pedestrians will be provided on Curtis Road and First Street, where no bicycle facilities and only partial pedestrian facilities currently exist. The Champaign County Bikes Organization, Inc., a regional group that promotes and facilitates bicycling in the county, designated this section of Curtis Road as a "Use Caution Route" on their 2016 Champaign-Urbana-Savoy Bicycle Guide¹.

The Curtis Road Grade Separation + Complete Streets Project encompasses a railroad grade separation, 0.85 miles of roadway improvements on the east-west arterial road (Curtis Road), and 1.00 miles of **shared path improvements along First Street**¹⁹ in the Village of Savoy, Illinois. The roadway would be improved from two lanes to a four lane cross section with a turning lane and off-street shared-use paths on the north and south sides of the roadway from Wesley Avenue to the intersection of Curtis Road with US 45. The improved roadway would match the existing section of Curtis Road west of Wesley Avenue and extend the existing bike and pedestrian network. The intersection of Curtis Road with US 45 would be improved to accommodate turning lanes as well as pedestrian crosswalks on all legs of the intersection and pedestrian countdown signals as approved in the **2004 Combined Design Study Report**². East of the intersection, under the railroad overpass to First Street, the roadway would narrow from four lanes with a turning lane down to two lanes with a turning lane. The off-street shared-use paths would continue from Wesley Avenue to First Street and continue north to Windsor Road. The roadway segment from US 45 to First Street would include on-street bike lanes in addition to the off-street shared-use paths.

The intersection of Curtis Road and First Street would be improved with an additional turning lane on the westbound Curtis Road approach as well as a right turning lane on the southbound First Street approach. Bike and pedestrian crosswalks as well as countdown signals would be provided at the intersection as well as a traffic signal due to current and projected traffic volumes.

A relocation of the railroad track and embankment will be required to develop a grade separated crossing over Curtis Road just east of US 45. The relocation will involve raising the track profile approximately 15 feet and lowering Curtis Road approximately 5 feet in order to achieve the roadway underpass. The vertical railroad relocation will be developed along a new horizontal track alignment, which is offset 60 (+/-) feet east of the existing track. The track relocation will start just north of the existing at-grade crossing of Church Street (south of Curtis Road) in Savoy and end at the existing railroad bridge over Windsor Road (north of Curtis Road) in Champaign, a total distance of 2.1 miles. A railroad bridge, 183 feet in length and 19.5 feet wide, will be required to span the new Curtis Road width. Additional substructure improvements are included for future second track accommodations by the railroad.



EECTION I PROJECT SUMMARY 2

Curtis Road has become the main access route for the Village of Savoy following the additions of the Curtis Road Interchange on Interstate 57 (opened in 2008) and consequent upgrades to Curtis Road from the interchange east to Wesley Avenue. A major priority of the Village as part of long-term planning is to take full advantage of the I-57 interchange and create a more accessible commercial and residential corridor that would also serve as a regional gateway to the University of Illinois, the City of Champaign, and the City of Urbana. The current conditions of Curtis Road from Wesley Avenue to First Street as a three and two-lane cross section with an at-grade railroad crossing, only partial pedestrian facilities, and without any bicycle facilities is not optimal for a roadway that experiencing an increase in traffic volumes due to its interstate access, proximity to so many residential, commercial, and university destinations, and use as a transit route. The Curtis Road Grade Separation + Complete Streets Project would increase business opportunities and residential development by improving accessibility and mobility for all modes of transportation within the Village of Savoy, but would also increase access between the communities of Savoy, Champaign, Urbana, and the University of Illinois. This project would also support the Village's plan to help develop areas near the University of Illinois Willard Airport to increase the benefits that the airport has to offer.

In 2017, the **Curtis Road Corridor Study**³ was updated which included the Curtis Road Grade Separation + Complete Streets Project as one of its priority recommendations. The most prominent roadway deficiency identified in the Curtis Road Corridor Study is the Curtis Road atgrade railroad crossing. Public comments (detailed in **Curtis Road Corridor Study Appendix A: Public Involvement**⁴) revealed a broad desire for a grade separation to improve traffic flow by

eliminating delays due to trains' blockage at the intersection, as well as improving the roadway surface. The traffic delays created by trains can impact the Champaign-Urbana Mass Transit District (MTD) bus schedules and are a particular limitation for emergency vehicles serving the Village of Savoy from the urbanized area east of the railroad tracks as well as Savoy's own Fire Protection District (FPD). Savoy FPD is located on the west side of the railroad tracks but is responsible for locations on both sides of the tracks. Savoy FPD frequently uses Curtis Road to respond to emergencies in the Parkview Senior Apartments located just east of the railroad tracks as well as other residential areas. Delays occasionally require Savoy FPD to send another apparatus via the underpass on Windsor Road, resulting in additional response time and use of additional emergency response resources. Furthermore, the close proximity of the atgrade railroad crossing to the high volume intersection at US 45/ Dunlap Avenue and Curtis Road presents difficult conditions for

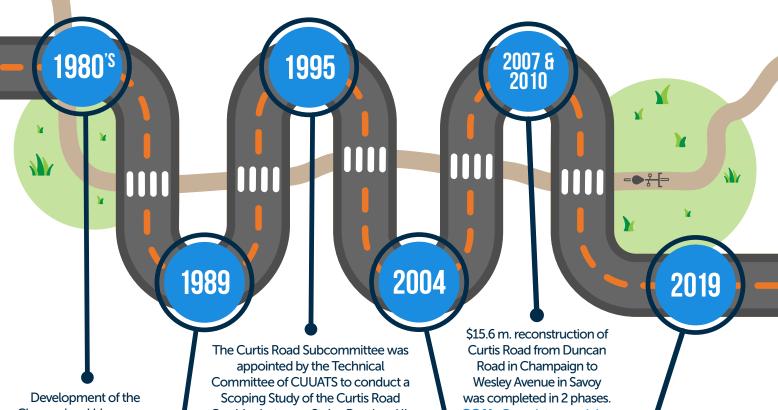


"THE TRAFFIC DELAYS CREATED BY TRAINS CAN IMPACT THE MTD BUS SCHEDULES AND ARE A PARTICULAR LIMITATION FOR EMERGENCY VEHICLES SERVING THE VILLAGE OF SAVOY."

all modes of transportation, especially for fire engines, MTD buses and other large trucks and delivery vehicles due to the limited maneuvering space between the intersection and the railroad tracks.

PROJECT DESCRIPTION - CONTINUED

THE HISTORY OF THE CURTIS ROAD CORRIDOR



Champaign-Urbana area continued to push southward.

GOAL: Reserve and protect a Curtis Road right-of-way corridor for future roadway improvements.

Corridor between Staley Road and IL 130 in response to an I-57 interchange proposed at Curtis Road.

GOAL: Establish preliminary information & design criteria needed to proceed with more detailed engineering investigations, design, & assessments of project impacts.

GOAL: Complete remaining corridor improvements.

> **ACTION:** The Village of Savoy, in partnership with the Champaign-Urbana Metropolitan Planning Organization secures \$19.9 m. or 49.3% of total project funding.

ACTION: The Champaign-Urbana Urbanized Area Transportation Study (CUUATS) Policy Committee passed a resolution reserving 100 ft. of right-of-way along Curtis Road from Staley Road in Champaign to Illinois Route 130 in Urbana.

ACTION: A Combined Design Study Report for Curtis Road Improvements from Duncan Road in Champaign to First Street in Savoy was completed by Clark Dietz.



The LAST phase of the Curtis Road Corridor improvements, from Wesley Avenue to First Street in Savoy, are outlined in this grant application. This includes the proposed grade separation at the railroad crossing. The grade separation and associated roadway improvements have been reflected in the three most recent Long Range Transportation Plans (2014, 2009, and 2004) as well as other local and regional plans detailed in this narrative.

PROJECT SUMMARY 4

CURTIS ROAD CORRIDOR CONTEXT SENSITIVE SOLUTIONS

The US 45/Dunlap Avenue and Curtis Road intersection and the First Street and Curtis Road intersection both experience congestion with poor level of service operations during the afternoon peak hours on typical weekdays:



23% increase in ADT for Eastbound Curtis Road over the past 10 years.

18% increase in ADT for Westbound Curtis Road over the past 10 years.

LOSE

for westbound Curtis Road Traffic at US 45/Dunlap Avenue

Average Control Delay 57.0 seconds per vehicle

LOS D

at the First street & Curtis Road Intersection with southbound First Street traffic operating at a LOS E

Average Control Delay 49.6 sec./vehicle (worst movement)



The entire segment of Curtis Road and First Street currently has no bicycle facilities; pedestrian facilities along Curtis Road are limited and are not ADA compliant. There are significant gaps in the pedestrian network on the north and south sides of Curtis Road east and west of the railroad tracks.

SOLUTION: Increase roadway capacity and enhance multimodal mobility/connectivity.

Commercial, residential, and agricultural land uses are all present immediately adjacent to the project roadway. Commercial and residential uses dominate the section of roadway to the west of the railroad tracks currently bisecting the project roadway, while residential and agricultural land uses dominate the section of roadway to the east of the railroad. Over the next 10-20 years, municipal comprehensive plans envision increases in residential development and commercial activities along Curtis Road between Mattis Avenue and Prospect Avenue west of the project location, along US 45 adjacent to the project location, and around Willard Airport south of the project location. Additional growth of the Research Park at the University of Illinois is anticipated to grow beyond the 120 companies and 2100 jobs employing people in high-tech careers. **SOLUTION: Improved infrastructure that connects people to jobs.**

The physical setting and environmental conditions have been evaluated within the Curtis Road corridor. Due to the low topography and significant occurrence of hydric soils along the corridor, poor drainage will require additional drainage infrastructure to be developed as part of the project improvements. Natural landscapes, including prairie, exist within the railroad corridor and air quality and water quality currently meet state & federal standards. In 2004, the **Combined Design Report for the Curtis Road Corridor (page 19)**² yielded a Class of Action Determination meeting the Categorical Exclusion definition contained in 23 CFR 771.117(a). The project's environmental clearances have been updated since expiring. Anticipated results are that the project will not have any significant impact on any natural, cultural, recreational, historical, or other air, noise or water quality resources. **SOLUTION: Implement low-impact design solutions that will complement the surrounding environment and will maintain the sustainability of the Curtis Road Corridor.**

II. PROJECT LOCATION

HE LOCATION OF the Curtis Road Grade Separation + Complete Streets Project is depicted on the maps in this section. The Village of Savoy is located in the Champaign-Urbana Urbanized Area in Champaign County in east central Illinois. Champaign County is known for flat prairie land and agricultural cropland dominated by corn and soybeans. The Champaign-Urbana Urbanized Area is home to the University of Illinois flagship campus (Fall 2017 enrollment 44,880) as well as the City of Champaign, the City of Urbana, the

| LOCATION | TOTAL POPULATION ACS 2011-2015 5 YEAR ESTIMATES |
|----------------------------|---|
| Champaign County | 207,946 |
| Urbanized Area | 150,599 |
| City of Champaign | 85,710 |
| City of Urbana | 42,141 |
| Village of Savoy* | 8,700* |
| Village of Tolono | 2,900 |
| Village of Bondville | 473 |
| *2016 Savoy Special Census | |

Village of Savoy, the Village of Tolono, and the Village of Bondville. The project is not included in an Opportunity Zone.

The Curtis Road Grade Separation + Complete Streets Project would improve connectivity for pedestrians, bicycles, automobiles, buses, and emergency vehicles within the village and between the village and the surrounding area. This includes a significant amount of village residents accessing or working at the University of Illinois. A variety of land use, zoning, physical, environmental, and transportation data that define the project location are included herein.

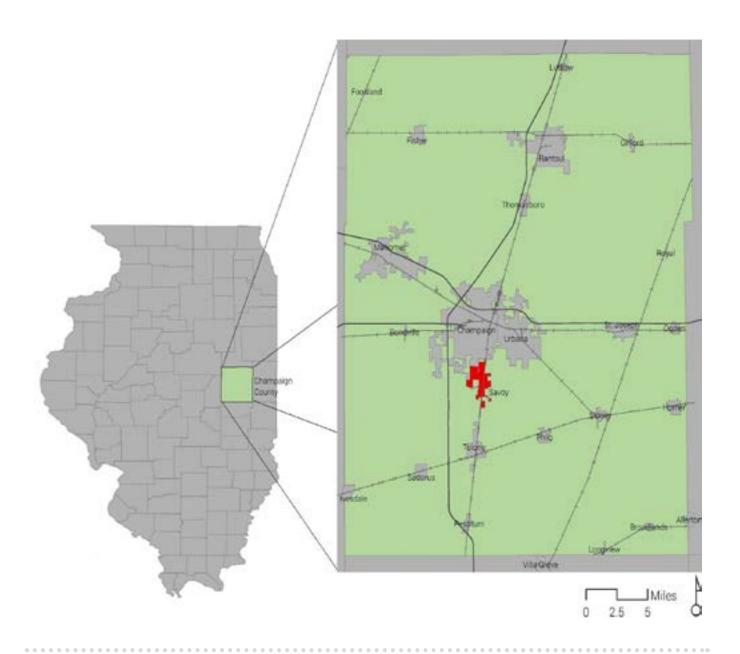
66

BUILDING ON ITS SMALL TOWN CHARACTER AND EXISTING CONNECTIONS TO THE CHAMPAIGN-URBANA URBAN AREA, THE VILLAGE OF SAVOY WILL DEVELOP A SAFE, EFFICIENT AND CONNECTED STREET NETWORK THAT IMPROVES SAFETY, INCREASES MOBILITY AND PROMOTES HEALTH FOR ALL USERS AND MODES OF TRANSPORTATION.

- Savoy Complete Streets Policy

SECTION II PROJECT LOCATION 6

STATE AND REGIONAL LOCATOR MAP

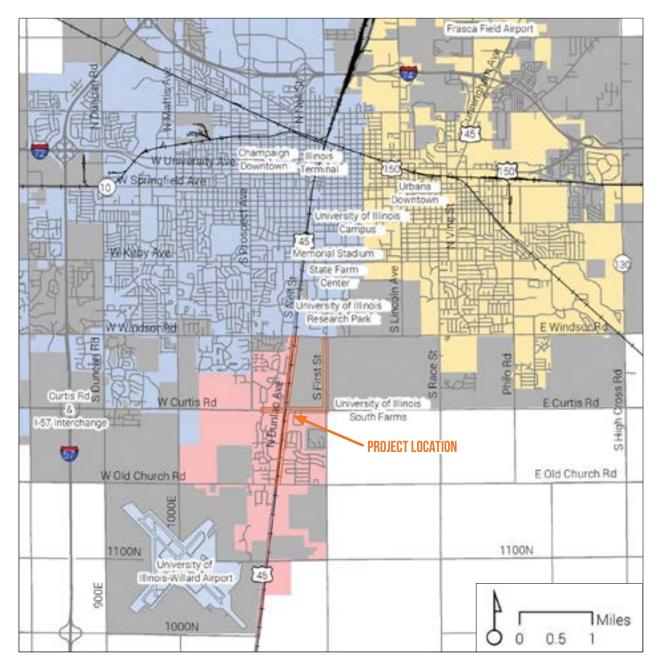








ECTION II PROJECT LOCATION 7



PROJECT LOCATION AND URBANIZED AREA



SECTION II PROJECT LOCATION 8



TRANSPORTATION CONNECTIONS



ECTION II PROJECT LOCATION 9



EXISTING LAND USES



SECTION II PROJECT LOCATION 10

III. GRANT FUNDS, SOURCES + USES OF PROJECT FUNDING

| | NON-FEDERAL | | | | | | | |
|---|--------------|-------|-------------------------|-------|---------------------|------|----------------------|-------|
| | State: IC | CC | Local: Village of Savoy | | Local: TIF District | | Local: Champaign Co. | |
| COST CLASSIFICATION | Dollars | % | Dollars | % | Dollars | % | Dollars | % |
| 1. Administration and Legal Expenses | \$29,900 | 22.1% | \$96,450 | 71.3% | \$0 | 0.0% | \$0 | 0.0% |
| 2. Land, Structures, Right-of-Way | \$297,700 | 24.5% | \$915,300 | 75.5% | \$0 | 0.0% | \$0 | 0.0% |
| 3. Relocation Expenses & Payments (Utilities) | \$1,199,300 | 35.6% | \$168,600 | 5.0% | \$0 | 0.0% | \$0 | 0.0% |
| 4. Architectural and Engineering Fees | \$923,000 | 28.9% | \$603,400 | 18.9% | \$0 | 0.0% | \$0 | 0.0% |
| 5. Other Architectural and Engineering Fees | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% |
| 6. Project Inspection Fees | \$769,400 | 29.2% | \$473,700 | 18.0% | \$0 | 0.0% | \$862,500 | 32.7% |
| 7. Site Work | \$279,500 | 36.8% | \$19,300 | 2.5% | \$0 | 0.0% | \$0 | 0.0% |
| 8. Demolition and Removal | \$240,400 | 31.9% | \$32,250 | 4.3% | \$0 | 0.0% | \$0 | 0.0% |
| 9. Construction | \$6,627,000 | 30.2% | \$1,697,150 | 7.7% | \$220,000 | 1.0% | \$0 | 0.0% |
| 10. Equipment | \$61,700 | 5.5% | \$303,000 | 26.9% | \$0 | 0.0% | \$0 | 0.0% |
| 11. Miscellaneous | \$479,500 | 30.0% | \$80,950 | 5.1% | \$0 | 0.0% | \$0 | 0.0% |
| 12. SUBTOTAL | \$10,907,400 | 29.7% | \$4,390,100 | 12.0% | \$220,000 | 0.6% | \$862,500 | 2.3% |
| 13. Contingencies (10%) | \$1,092,600 | 30.1% | \$409,900 | 11.3% | \$0 | 0.0% | \$0 | 0.0% |
| 14. SUBTOTAL | \$12,000,000 | 29.7% | \$4,800,000 | 11.9% | \$220,000 | 0.5% | \$862,500 | 2.1% |
| 15. Project (Program) Income | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% | \$0 | 0.0% |
| 16. TOTAL PROJECT COSTS (line 15 – 14) | \$12,000,000 | 29.7% | \$4,800,000 | 11.9% | \$220,000 | 0.5% | \$862,500 | 2.1% |

| | FEDERAL | | | | |
|---|--------------|-------|-------------|-------|--------------|
| | BUILD | | STBGP | | |
| COST CLASSIFICATION | Dollars | % | Dollars | % | TOTAL COST |
| 1. Administration and Legal Expenses | \$0 | 0.0% | \$8,950 | 6.6% | \$135,300 |
| 2. Land, Structures, Right-of-Way | \$0 | 0.0% | \$0 | 0.0% | \$1,213,000 |
| 3. Relocation Expenses & Payments (Utilities) | \$2,000,000 | 59.4% | \$0 | 0.0% | \$3,367,900 |
| 4. Architectural and Engineering Fees | \$1,669,600 | 52.2% | \$0 | 0.0% | \$3,196,000 |
| 5. Other Architectural and Engineering Fees | \$0 | 0.0% | \$0 | 0.0% | \$0 |
| 6. Project Inspection Fees | \$529,400 | 20.1% | \$0 | 0.0% | \$2,635,000 |
| 7. Site Work | \$442,200 | 58.2% | \$19,300 | 2.5% | \$760,300 |
| 8. Demolition and Removal | \$448,200 | 59.5% | \$32,250 | 4.3% | \$753,100 |
| 9. Construction | \$12,006,600 | 54.7% | \$1,396,450 | 6.4% | \$21,947,200 |
| 10. Equipment | \$457,800 | 40.7% | \$303,000 | 26.9% | \$1,125,500 |
| 11. Miscellaneous | \$954,900 | 59.8% | \$80,950 | 5.1% | \$1,596,300 |
| 12. SUBTOTAL | \$18,508,700 | 50.4% | \$1,840,900 | 5.0% | \$36,729,600 |
| 13. Contingencies (10%) | \$1,949,200 | 53.6% | \$184,100 | 5.1% | \$3,635,800 |
| 14. SUBTOTAL | \$20,457,900 | 50.7% | \$2,025,000 | 5.0% | \$40,365,400 |
| 15. Project (Program) Income | \$0 | 0.0% | \$0 | 0.0% | \$0 |
| 16. TOTAL PROJECT COSTS (line 15 – 14) | \$20,457,900 | 50.7% | \$2,025,000 | 5.0% | \$40,365,400 |



FY 2020 BUILD Request: \$20,457,900 or 50.7% of total project cost

IV. SELECTION CRITERIA

HE CURTIS ROAD GRADE SEPARATION + COMPLETE STREETS PROJECT will foster a safe transportation system for the movement of goods and people, improve the existingni poor conditions, increase connectivity, reduce congestion, and expand transportation choices. Primary and secondary selection criteria is summarized as follows.

| CATEGORY | INVESTMENT CHANGE - IMPACTS AND BENEFITS | REFERENCE |
|------------------------------|---|-----------|
| Safety | Proposed grade separation will improve safety and reduce travel times for emergency vehicles | Page 12 |
| State of Good Repair | Reconstructed streets brought to acceptable complete street standards requiring less maintenance while expanding mobility | Page 13 |
| Economic Competitivness | Increasing connectivity will serve as a development asset which is a proven strategy in growing the local economy | Page 13 |
| Environmental Sustainability | Reduced emissions and travel times lead to greater sustainability | Page 13 |
| Quality of Life | Expansion of transportation choices and broadband deployment improves the quality of life for rural communities | Page 14 |

PRIMARY CRITERION #1(a): Safety

The Curtis Road Grade Separation + Complete Streets stands to improve safety, emergency response times, overall travel times, emissions, noise, transit reliability, active transportation benefits, operations costs, and improve overall mobility for residents, employees, and visitors in the Champaign-Urbana region. Nearly 75% of the projected benefits occur in the form of safety and travel time improvements.

The construction of a railroad overpass combined with improved multimodal facilities on the roadway underpass eliminates conflicts between roadway users and railroad users and yields over \$7 million in safety benefits over the 20-year evaluation period.

| SAFETY BENEFITS | AUTO Crashes | TRAIN Crashes |
|-------------------------|-----------------|------------------|
| Fatalities Avoided | 1 | 1 |
| Injuries Avoided | 62 | 1 |
| Property Damage Avoided | 154 | 4 |
| 20-year crash savings | \$5,943,220 | \$1,350,227 |
| Total 20-Year Value | \$7,29 | 3,447 |

PRIMARY CRITERION #1(b): State of Good Repair

Sustaining public infrastructure in a state of good repair is a critical component to providing essential transportation services, encouraging transportation choices and supporting livable communities. Poor pavement conditions can lead to reduced vehicular speeds, increased fuel consumption, and multimodal conflicts. In addition to creating hazards for various modes of travel, poor pavement conditions can discourage bicyclists and pedestrians from using the facility.

A recent pavement evaluation and geotechnical engineering study conducted on Curtis Road showed various traffic loading related distresses (or cracking). The typical distresses such as alligator cracking, rutting, and edge cracking were evident which are signs of poor soils, weakened pavement, inadequate drainage conditions and lack of support at the pavement edge. Anything short of reconstructing the roadway will jeopardize the safety, capacity and efficiency of the Curtis Road corridor. The Curtis Road Grade Separation + Complete Streets Project will result in an acceptable state of good repair, making it more accessible to all modes of transportation.

PRIMARY CRITERION #1(c): Economic Competitiveness

The implementation of the Curtis Road Grade Separation and Complete Streets Project supports national and regional economic competitiveness by producing nearly \$8.5 million in travel time savings for people and

freight traveling between I-57 and the Champaign-Urbana Urbanized Area. The vast majority of employment in the region, approximately 80% of all jobs, are concentrated on the University of

| TRAVEL TIME BENEFITS | | | | | |
|-----------------------------------|-------------|--|--|--|--|
| RR Bridge and Removal of RR Gates | \$1,778,024 | | | | |
| Intersection and Roadway | \$6,644,828 | | | | |
| Total 20-Year Value | \$8,422,852 | | | | |

Illinois campus and in the downtown districts of Champaign and Urbana. Access to these jobs as well as the services these employment locations provide, will improve for the people and freight accessing the community from Willard Airport, the I-57 interchange on Curtis Road, and residents in Savoy and southwest Champaign. See the **Champaign-Urbana Region Freight Plan**¹⁶ for additional information.

PRIMARY CRITERION #1(d): Environmental Sustainability

Nearly \$2.8 million in environmental benefits will result from the reduction in required fuel and supplemental services currently required to operate in the project area under current conditions and particularly when trains are present. Traffic delays caused by passing trains impact all vehicles and the implementation of the grade separation and complete streets project will result in reduced fuel costs and emissions for all vehicles. The project will reduce operation costs and human life costs for the local emergency services and transit provider who currently dispatch supplemental vehicles to minimize train-related service disruptions.

| OPERATING BENEFITS | | | | | |
|----------------------------|-------------|--|--|--|--|
| Reduced Emissions | \$71,338 | | | | |
| Reduced Vehicle Fuel Cost | \$857,919 | | | | |
| Fire Services | \$725,302 | | | | |
| Emergency Medical Services | \$757,424 | | | | |
| Transit Operations | \$99,917 | | | | |
| Transit Riders | \$195,680 | | | | |
| Total 20-Year Value | \$2,707,580 | | | | |



CHAMPAIGN-URBANA HAS FOUND THAT PROVIDING ADDITIONAL AMENITIES IS ONE KEY STRATEGY TO ATTRACT A KNOWLEDGE WORKFORCE FOR A GLOBALIZED ECONOMY THAT IS SEEING A GROWING INTERNATIONAL POPULATION OF STUDENTS WHO DO NOT DRIVE. HIGH-CAPACITY TRANSIT AND FACILITIES TO MAKE BIKING AND WALKING SAFER AND EASIER STAND TO HELP ATTRACT NEW RESIDENTS AND SPUR NEW DEVELOPMENT. WHILE REDUCING CONGESTION AND PRESERVING FARMLAND.

PRIMARY CRITERION #1(e): Quality of Life

Our region's effective use of multimodal facilities to support quality of life was highlighted in a 2014 report by Transportation For America entitled, **The Little Cities that Could: New visions bring new life to Illinois rail towns**⁸. The report notes that providing more transportation options for local residents

and visitors can, among other things, help attract and support a "global" workforce. The grade separation and multimodal facilities proposed for Curtis Road and First Street can also support national and regional

| ACTIVE TRANSPORTATION BENEFITS | |
|--|-------------|
| Mobility (walking & biking) | \$988,683 |
| Health (walking & biking) | \$85,086 |
| Fuel Emissions Reduction (mode shift) | \$10,387 |
| Additional Recreation Trips (walking & biking) | \$593,923 |
| Total 20-Year Value | \$1,678,079 |

economic vitality by increasing physical activity and reducing motorized transportation. Adding facilities for pedestrians and bicyclists that connect to the existing pedestrian and bicycle network in the region will allow more people to move through the Curtis Road corridor while improving their health and reducing their impact on the environment and roadway infrastructure. The BCA indicates pedestrians and bicyclists along the project location would more than triple the 20-year evaluation period producing combined mobility, health, emissions, and recreational benefits of nearly \$1.7 million.

SECONDARY CRITERION #2(a): Innovation

To ensure the longevity of this significant infrastructure investment for the region, the project incorporates design features that facilitates pedestrian and bicyclist detection, expands area broadband deployment, integrates local renewable energy production, and accommodates a future high speed rail line.

- Automated pedestrian detection devices in combination with pedestrian countdown signals
 will be installed at the high-volume intersection of Curtis Road and US 45 to increase the safety of
 pedestrians and bicyclists. Local agencies have had positive feedback and results from the
 installation of pedestrian countdown signals in other locations throughout the urbanized area
 but this would be the first installation of pedestrian detection devices in the region. If successful,
 this is the type of technology that could result in positive changes in pedestrian behavior.
- Conduit will be installed in the project location to accommodate <u>rapidly expanding broadband</u> connectivity in the surrounding region. The installation of broadband conduit has been coordinated with local broadband service providers and is supported by the project partners.
- Renewable solar energy will be used to power the new street lights installed on Curtis Road. In 2018 the University of Illinois announced plans to develop a 55-acre solar farm along the north side of Curtis Road between First Street and Neil Street in the project area, making it an ideal source of power for the new adjacent roadway lighting. Solar power will reduce the project's future operating costs and reduce the project's carbon footprint. The University has agreed to power the Curtis Road lights included in this project with the new solar farm.
- Accommodations for a second, future track for <u>high speed rail</u> have been included in the realignment and improvements on the bridge portion of the project. While the second track accommodations will be limited to right-of-way acquisition, embankment placement, and widening of the proposed substructure, an additional three feet of separation distance

between the two tracks is included in the design so that the second track could accommodate high speed rail. A high speed rail connection from the Champaign-Urbana Urbanized Area to Chicago is included as a vision project in the LRTP 2035¹⁰ and the current LRTP 2040⁹ and a 220 MPH High Speed Rail Preliminary Feasibility Study¹¹ was completed in 2013.

The Curtis Road Grade Separation + Complete Streets Project has been developed in accordance with Federal and State laws and regulations requiring identification and evaluation of the project's environmental impacts. The Illinois Department of Transportation and the Federal Highway Administration has oversight which includes environmental documentation, coordination, and general NEPA compliance procedures. *Innovative permitting and project delivery strategies* include contracting Phase I Preliminary Engineering services proactively with local funds.

- At the time of this application, the Village of Savoy has renewed and/or reassessed Biological and Wetland Resources, Cultural Resources, and Agricultural Resources clearances. A Preliminary Environmental Site Assessment (PESA) has also been completed. Environmental clearances and documentation¹⁷ are included in the Index.
- This project has been included in the Local Public Agency Multi-Year Program and has been reintroduced at an **IDOT/FHWA bimonthly coordination meeting**¹⁸ on March 14, 2019 whereas the Village is seeking reapproval as a Categorical Exclusion (CE).

The Village of Savoy, along with the project parties, have completed considerable progress with regards to satisfying NEPA procedures while encouraging an open process which fully involves the public. The steps taken thus far will enable a streamlined permitting process and quicker project delivery.

Innovative financing activities have been undertaken by the Village with the creation of a Tax Increment Financing district and ongoing partnership with the University of Illinois. While this project is not receiving direct financing from the University of Illinois, the mutually-beneficial collaboration with the University enhances and financially benefits the project in two different ways. First, the collaboration with the future solar farm, mentioned earlier, will reduce the project's carbon footprint and will reduce future operating expenses for roadway lighting. Second, the University is working with the Village of Savoy to install signage on the railroad bridge structure that will simultaneously enhance the streetscape and highlight the location as a gateway to the University district.

The Curtis Road Grade Separation + Complete Streets project is also located within two existing TIF Districts administered by the Village of Savoy. As part of the Marketplace at Savoy commercial subdivision on the southwest corner of Curtis and US 45, TBR ENT of Illinois, L.L.C. has entered into a bond agreement with the Village of Savoy. This agreement obligates them to contribute \$220,000 toward infrastructure improvements on the section of Curtis Road adjacent to their property and is included in the overall project funding summary.

SECONDARY CRITERION #2(b): Partnership

The Village of Savoy, in close partnership with public and private parties, is 100% committed to delivering a successful project. The following demonstrates the strong collaboration between project partners.

VILLAGE OF SAVOY WWW.SAVOY.ILLINOIS.GOV

The Village of Savoy will be the project lead and grant administrator for the Curtis Road Grade Separation + Complete Streets Project. Although the Village of Savoy has a population of 8,700, it is nestled in an urbanized area of 150,000 people including two cities, the University of Illinois flagship campus, and two other villages. Savoy offers a high quality of life typically associated with small Midwestern towns, including municipal tax rates far below that of the adjacent Cities of Champaign or Urbana, acreage of prime undeveloped land, a low crime rate, quiet un-congested neighborhoods, and a responsive government. Savoy is located south of the City of Champaign

and north of University of Illinois Willard Airport, making Savoy a prime location as the south entrance corridor to Champaign and the University of Illinois.

The Village of Savoy Public Works Department works to integrate safety, quality, and aesthetic appeal into both existing and future Village infrastructure. Nine full-time employees provide experience in engineering, transportation,



sewers, landscaping, arboriculture, parks, fleet maintenance, and snow removal. Public Works is also responsible for Emergency Services and Disaster Agencies planning and activities. It is the intent of the department to provide timely service to residents, while maintaining exceptional professionalism.

CANADIAN NATIONAL RAILROAD WWW.CN.CA/EN

"No matter the job, what we all want most in running our railroad is to keep each other, our customers' goods and our communities safe."

Canadian National Railway (CN) owns and operates the railroad tracks that run through the Village of Savoy south to New Orleans and north to Chicago and beyond. In 1998 CN acquired this railroad from the Illinois Central Railroad Company.

CN's presence in Illinois is augmented by the CN Campus in Homewood, Illinois, one of two CN state-of-the-art railroader training centers in North America. CN's 20,000-mile network spans Canada and Mid-America, connecting three coasts: the Atlantic, the Pacific and the Gulf of Mexico. There are 24 daily trains including 6 passenger trains that traverse the CN railroad at the Curtis Road Grade Crossing⁶.



ILLINOIS COMMERCE COMMISSION WWW.ICC.ILLINOIS.GOV

The Illinois Commerce Commission (ICC) mission is to balance the interests of consumers and utilities to ensure adequate, efficient, reliable, safe, and least-cost public utility services. ICC has the statutory responsibility to improve safety at public highway-rail crossings in the State of Illinois. Nationally, Illinois is second only to Texas in the total number of highway-rail crossings. The Commission orders safety improvements at public highway-rail crossings with the cost of such improvements paid by the state, the railroads, and local governments. On state roads, the Illinois Department of Transportation (IDOT) pays the majority of the costs through the State Road Fund. For local roads, the Illinois General Assembly created the Grade Crossing Protection Fund (GCPF) to bear the majority of the costs of improvements.

The GCPF, appropriated to the Illinois Department of Transportation but administered by the Illinois Commerce Commission, was created by the General Assembly to assist local jurisdictions

(counties, townships and municipalities) in paying for safety improvements at highway-railroad crossings on local roads and streets. Assistance from the GCPF cannot be used for safety improvements at highway-rail crossings located on the state road or highway system. Those improvements are paid for by the Illinois Department of Transportation. The Curtis Road Grade Separation + Complete Streets project is currently included in the ICC's FY 2020-2024 Crossing Safety Improvement Program⁷.

CHAMPAIGN COUNTY WWW.CO.CHAMPAIGN.IL.US

Champaign County has a total population of 207,946, with over 70 percent (150,599) of the total population concentrated in the Champaign-Urbana Urbanized Area. The Champaign County Highway Department bears responsibility for preparing plans, specifications, and estimates for County bridges and culverts and supervising construction of same. The Department also supervises the construction and maintenance of all Champaign County highways. In addition, the Department keeps records of contracts, purchases of materials, machinery, etc. and administers the County Motor Fuel Fund, County Bridge Fund, State & Local Bridge Fund, and Township Motor Fuel Tax Fund.

In keeping with its mission to provide and manage the best highway system within available resources and enhance the environment and economic climate of Champaign County, the Champaign County Highway Department has committed to supporting the Curtis Road Grade Separation + Complete Streets Project through an In-kind Contribution of Construction Engineering Time and Expertise. The highway department has successfully collaborated with the Village of Savoy and the City of Champaign on the improvement of two other sections of Curtis Road since before the opening of the I-57 interchange on Curtis Road in 2008. (Pictured below)



ILLINOIS DEPARTMENT OF TRANSPORTATION WWW.IDOT.ILLINOIS.GOV

The Illinois Department of Transportation (IDOT) is a state agency in charge of public roadways in Illinois. IDOT's multi-modal transportation vision encompasses many concepts that help the most rural, remote communities downstate connect with urban transportation networks. The agency strives to improve safety and quality of life for communities, reducing congestion and increasing

mobility. Given the close proximity to US Route 45, the Village of Savoy will work closely with IDOT to ensure a successful outcome.

THE UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN WWW.ILLINOIS.EDU



The University of Illinois at Urbana-Champaign community of students, scholars, and alumni is changing the world. The Urbana chancellor signed the Climate Leadership Commitments, pledging to be carbon neutral by 2050. As a part of this commitment, specific goals for energy conservation and renewable energy were outlined in the Illinois Climate Action Plan (iCAP). Efforts to meet university renewable energy goals include the Wind Power Purchase Agreement (PPA), the operation of six major solar installations, and the purchase of renewable energy certificates. The Solar Farm is one of the largest on-site university arrays in the country, according to U.S. Environmental Protection Agency statistics.

The anticipated expansion of solar will provide a unique partnership with the Village of Savoy by way of providing power to the proposed roadway lighting system along Curtis Road.

AT&T INC. WWW.ATT.COM

We're working to improve lives every day through support for our local communities. With our signature education initiative, AT&T Aspire, we committed \$400 million to help provide access to the education and training people need to get and keep good jobs. And our IT CAN WAIT campaign has inspired more than 25 million pledges to never text and drive.

Our history of innovation is a story about people from all walks of life coming together to improve how we interact with the world around us. Today, we're a leader in diversity with a commitment to fostering an inclusive culture. We strive to be a great place to work and a desired business partner. We embrace our responsibility to reduce our environmental impact on the planet and are committed to helping our customers use our technology for social good.

The proposed improvements along Curtis Road will provide infrastructure that will help to implement 5G network capabilities to the area.



PAVLOV MEDIA WWW.PAVLOVMEDIA.COM



We've been building great networks since 1990. In those days, it was our founder and CEO, Mark Scifres, crawling through attics to wire houses, apartments, dorms and Greek houses. Now we're not just wiring buildings—we're constantly expanding on a national fiber optic backbone that connects hundreds of MDU communities in more than 40 states. Pavlov Media specializes in private networks designed, constructed and operated by a team of dedicated professionals from the multifamily real estate industry. Pavlov Media adds value to properties and businesses by delivering products that enhance customer satisfaction and protect assets. We've built a robust network and we're continuously finding new ways to bring our users Simply Exceptional Connections Nationwide.

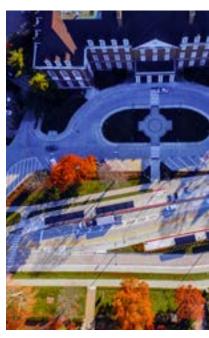
The Curtis Road improvements will provide a unique opportunity to expand fiber optic services in the area and complete a critical gap in the existing private/public network.

CLARK DIETZ INC. WWW.CLARKDIETZ.COM

Clark Dietz was hired by the Village of Savoy to update the environmental clearances and cost estimates associated with the Combined Design Study Report for Curtis Road Improvements from Duncan Road to First Street prepared by Clark Dietz in 2004². Clark Dietz provides engineering services to clients responsible for enhancing the quality of life through the built environment. Core services include consulting, design, and construction management in the disciplines of civil/environmental, transportation, and mechanical/electrical engineering. Currently, Clark Dietz is serving as the lead consultant on a TIGER funded Multi-modal Corridor Enhancement Project (MCORE) in the University District with the Champaign-Urbana Mass Transit District, the City of Champaign, the City of Urbana, and the University of Illinois. The total cost for the MCORE project is \$46.9 million, which includes the \$15.7 million TIGER grant plus \$31.2 million in local matching funds. Clark Dietz's current involvement with the Curtis Road Grade Separation and Complete Streets Project demonstrates project readiness based on their prior involvement within the corridor and their demonstrated success with MCORE.







V. ENVIRONMENTAL RISK REVIEW

ROJECT PARTIES HAVE COLLABORATED on proposed schedule, and stand ready for implementation of a successful project. This project has the ability to be implemented within a reasonable amount of time. The Village of Savoy and its partners will use best practices while adhering to all FHWA and DOT requirements, to carry out an efficient, high quality project. The project is included as an illustrative project in the local Transportation Improvement Program (TIP) since 2001, including the current TIP FY 2020 - 2023¹².

| | PROJECT SCHEDULE | |
|--|-------------------------------|-------------|
| | ASSUMING 9/30/2022 OBLIGATION | ON DEADLINE |
| | ICC Application ✓ | Jan. 2018 |
| | ICC Programming ✓ | Mar. 2018 |
| A CONTRACTOR OF THE PARTY OF TH | Phase 1 (NEPA) Start ✓ | Jan. 2019 |
| | BUILD Grant Submittal | May 2020 |
| | BUILD and ICC Awards | Sept. 2020 |
| | Local TIP Programming | Sept. 2020 |
| | STIP Programming | Oct. 2020 |
| | Phase 1 (NEPA) Complete | Apr. 2021 |
| | Approved Phase 1 | May 2021 |
| | Phase 2 (PSE) Start | Jun. 2021 |
| Albert . | ROW Acquisition Start | Jan. 2022 |
| | Phase 2 (PSE) Complete | May. 2022 |
| | Certified ROW | Jul. 2022 |
| | Approved PSE | Jul. 2022 |
| | Obligation of BUILD Funds | Sept. 2022 |
| | IDOT Letting | Nov. 2022 |
| | Construction Begins | Jan. 2023 |
| 1000 | Bridge/Rail Complete | Dec. 2024 |
| | | |



ENVIRONMENTAL PERMITS & REVIEWS

Roadway Complete

As previously discussed, the Curtis Road Grade Separation + Complete Streets Project has been developed in accordance with Federal and State laws and regulations regarding environmental impacts. In 2004, the **Combined Design Study Report for Curtis Road Improvements (page 19)**² yielded a Class of Action Determination meeting the Categorical Exclusion definition contained in 23 CFR 771.117(a). In January of 2019, the Village of Savoy contracted for Phase I Preliminary Engineering services whereas biological, wetlands, cultural, and agricultural clearances have been obtained, including **Preliminary Environmental Site Assessments**. Furthermore, the project

SECTION V PROJECT READINESS 21

is included the multi-year program and has been re-introduced at an IDOT/FHWA bi-monthly coordination meeting. The NEPA process is anticipated to be complete in August 2021 with the approval of the amended 2004 Phase I Project Development Report.

STATE AND LOCAL APPROVALS & PUBLIC ENGAGEMENT

State and Local Approvals and Public Input were all obtained for this project during the course of the 2004 Combined Design Study Report for Curtis Road Improvements. Since that time, the Village of Savoy and Champaign-Urbana Regional Planning Commission has included project in various local and regional planning documents. The Curtis Road Grade Separation and Complete Streets Project has received widespread support, as demonstrated in the attached letters of support, and is consistent with the following current planning documents, all of which contained a public engagement component:

Savoy Comprehensive Plan, 2019¹⁵

The Curtis Road Grade Separation + Complete Streets project is reflected in the goals of the 2019 update to the Village Comprehensive Plan. Savoy residents were involved in the comprehensive planning process in 2018 and 2019, including the development and approval of the plan goals. The grade separation and related pedestrian and bicycle facilities were also included in the Village's previous Comprehensive Plan in 2009.

Village of Savoy, Board of Trustees Resolution 2020R-02¹³

The Village of Savoy Board of Trustees adopted Resolution 2020R-02 on February 19, 2020. This resolution was unanimously approved in support for an application for USDOT INFRA funds and a commitment to the development of Curtis Road including the allocation of \$4.8 million of local funds towards the design and construction of the project. The resolution also included the Village's commitment to forfeit or return up to 10% of the awarded funds if the project fails to meet specified deadlines. The Village of Savoy's commitments to the project have not changed since applying for INFRA as demonstrated with this FY 2020 BUILD request.

Curtis Road Corridor Study, 20173

The overarching problems and opportunities defined for the corridor were based on public input, including roadway deficiencies, system linkages, and modal interrelationships, which specifically address these comments. Public input, collected during a the corridor study recently completed for the portion of Curtis Road from US 45 to IL 130, shows that pedestrians, runners, and bicyclists use Curtis Road for both access and recreation, although the majority of them report not feeling safe traveling along the corridor. More than 50 comments were received at an October 13, 2016 public meeting regarding ways to safely accommodate multiple transportation modes in the study area and 14 more were specifically about the desire for a railroad grade separation on Curtis Road. The Curtis Road Grade Separation and Complete Street Project is consistent with the public input, findings, and recommendations from the Curtis Road Corridor Study.

Curtis Road Corridor Study Appendix A⁴

Public Involvement summarizes the study's public involvement efforts and outcomes.

Savoy, IL Bike and Pedestrian Plan, 2017¹⁴

Public input collected regarding the bicycle and pedestrian network in the Village of Savoy included comments and recommendations for the portions of Curtis Road included in this grant proposal. The Curtis Road Grade Separation and Complete Street Project is consistent with the public input, findings, and recommendations from the Savoy Bike and Pedestrian Plan. Savoy Bike and Pedestrian Plan Chapter 6: Public Input, Appendix E: Public Workshop #1, and Appendix F: Public Workshop #2 summarize the plan's outreach efforts and outcomes.

LRTP: Sustainable Choices 2040, 20149

Local residents provided comments about this portion of Curtis Road in 2013 and 2014 during the development of the Champaign-Urbana Long Range Transportation Plan (LRTP): Sustainable Choices 2040. In 2013 six LRTP comments were collected for the Curtis Road intersections at US 45 and First Street, all of which requested improvements for bike and pedestrian infrastructure and/or more bus service, when transportation network strengths and weaknesses were being collected for the entire region. In 2014 the Curtis Road Grade Separation and Complete Streets Project received 197 votes from the public when asked to select their top three priority projects in three different time frames. The Curtis Road Grade Separation and Complete Street Project is consistent with the public input, findings, and recommendations from the LRTP: Sustainable Choices 2040. Appendix A: Public Involvement summarizes the plan's public involvement efforts and outcomes.

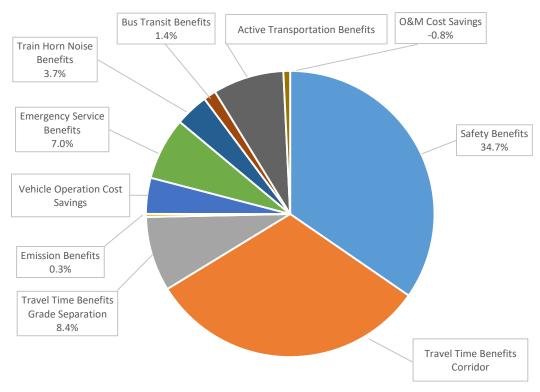
ASSESSMENT OF PROJECT RISKS & MITIGATION STRATEGIES

Extensive coordination has already occurred for this project as documented in the 2004 Combined Design Study Report for Curtis Road Improvements as well as subsequent local and regional plans listed in previous sections. Because of this, most of (if not all) of the major sources of potential delay have been identified and dealt with including utility relocations, public involvement, environmental clearances, railroad coordination, local and state agency reviews and approvals etc. The Village and project parties do not anticipate any significant procurement delays, environmental uncertainties, increases in real estate acquisition costs, uncommitted local match, or lack of legislative approval. While the project will require an updated NEPA approval, the previous coordination and documentation should represent a significant advantage when compared to other projects starting from scratch. This translates to a greater confidence that the project will be delivered on-time or ahead of schedule. The Champaign-Urbana region, the Village of Savoy, and Clark Dietz are familiar with pre-requisite steps to obligate Federal funds as demonstrated by past projects. The Village of Savoy is confident that the project schedule is reasonable and will satisfy all Federal requirements. If the Village of Savoy does not complete construction by December 31, 2025, the Village will forfeit or return up to 10 percent of the awarded BUILD funds.

VI. BENEFIT COST ANALYSIS

HE COST EFFECTIVENESS ANALYSIS CONCLUDED a benefit-cost ratio of 1.03 at a 7% discount rate. This indicates that the project present value benefits are greater than the present value costs. The net present value is \$0.8 million. Nearly 75% of the estimated benefits result from travel time reductions and safety improvements. The attached Benefit Cost Analysis documentation details additional benefits for emissions, vehicle operation costs, emergency services, noise, transit, active transportation, and improve overall mobility for residents, employees, and visitors in the Champaign-Urbana region.

NET PRESENT VALUE OF BENEFITS, 7% DISCOUNT RATE



| INVESTMENT ANALYSIS Summary Results | | | | | | | | |
|-------------------------------------|--------|-------------------------------|--------|--|--|--|--|--|
| 7% Discount Rate | | 3% Discount Rate | | | | | | |
| Life-Cycle Costs (mil. \$) | \$23.3 | Life-Cycle Costs (mil. \$) | \$29.2 | | | | | |
| Life-Cycle Benefits (mil. \$) | \$24.0 | Life-Cycle Benefits (mil. \$) | \$50.2 | | | | | |
| Net Present Value (mil. \$) | \$0.8 | Net Present Value (mil. \$) | \$21.0 | | | | | |
| Benefit/Cost Ratio | 1.03 | Benefit/Cost Ratio | 1.70 | | | | | |

¹2016 Champaign-Urbana-Savoy Bicycle Guide and Map

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Champaign-Urbana-Savoy_Bicycle_Guide_and_Map.jpg

Combined Design Study Report for Curtis Road Improvements, 2004

Volume I: https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Curtis_Road_Combined_Design_Study_Volume_I_2004.pdf

Volume II: https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Curtis_Road_Combined_Design_Study_Volume_II_2004.pdf

Exhibits: https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Curtis_Road_Combined_Design_Study_Exhibits_2004.pdf

Curtis Road Corridor Study

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Savoy_Complete_Streets_Policy_Brief_2017.pdf

Curtis Road Corridor Study, Appendix A: Public Involvement, pages 89-138

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Curtis_Road_Corridor-Study_2017_Appendix_A_-_Public_Involvement.pdf

Savoy Complete Streets Policy Brief

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Savoy_Complete_Streets_Policy_Brief_2017.pdf

⁶ Curtis Road Grade Crossing Inventory

www.icc.illinois.gov/railroad/crossing.aspx?dotId=289084Y&v=&county=C019&s=O&g=&t=PUB

Illinois Commerce Commission Crossing Safety Improvement Program, FY 2020-2024

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/ICC_Crossing_Safety_Improvement_Program_FY_2020-2024.pdf

The Little Cities that Could: New visions bring new life to Illinois rail towns

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Illinois_Rail_Report-The_Little_Cities_that_Could.pdf

9 LRTP 2040

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/CCRPC_Long_Range_Transportation_Plan_2040.pdf

10 LRTP 2035

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/CCRPC_Long_Range_Transportation_Plan_2035.pdf

¹¹ 220 MPH High Speed Rail Preliminary Feasibility Study, 2013, University of Illinois at Urbana Champaign, University of Illinois at Chicago

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/IDOT_HSR_220_Executive_Report.pdf

¹² CUUATS Transportation Improvement Program (TIP), FY 2020-2023

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/CUUATS_Transportation_Improvement_Program_FY2020-2023.pdf

¹³ Village of Savoy, Board of Trustees Resolution of Support

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Savoy_Resolution_No._2020R-02.pdf

14 Savoy, IL Bike and Pedestrian Plan

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Savoy_Bike_and_Pedestrian_Plan_2017.pdf

15 Savoy Comprehensive Plan Update 2019

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Savoy_Comprehensive_Plan_2019.pdf

Champaign-Urbana Region Freight Plan

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Champaign_Urbana_Region_Freight_Plan_2019.pdf

17 Environmental Clearances and Documentation

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Curtis_Road_Environmental_Clearances.pdf

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/Curtis_Road_Preliminary_Environmental_Site_Assessment.pdf

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/First_Street_Pathway_Environmental_Clearances.pdf

18 IDOT/FHWA Bi-Monthly Coordination Meeting Minutes

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/IDOT_FHWA_Bimonthly_Meeting_Minutes_Curtis_Rd.pdf

19 First Street Shared Use Path Plans

https://www.savoy.illinois.gov/vertical/sites/%7BD0463038-CAC4-4485-B59A-9F55DCAB155B%7D/uploads/First_Steet_Pathway_Prelimianry_Plans.pdf

The following attachment is not included in this view since it is not a read-only PDF file.

The agency will receive all application forms and attachments without any data loss.

AttachmentForm_1_2-ATT3-1236-SF424C_2_0-V2.0 (1).pdf

OMB Number: 4040-0010 Expiration Date: 12/31/2019

Project/Performance Site Location(s)

| Project/Per | rformance | Site Primary Location | | | an individual, and n nia, or other type of | not on behalf of a com forganization. | pany, state, |
|---|------------|-----------------------|------------|-----------------|---|--|--------------|
| Organizati | on Name: | Village of Savoy | , Illinois | | | | |
| DUNS Nu | mber: | | | | | | |
| * Street1: | 611 N. | Dunlap Avenue | | | | | |
| Street2: | | | | | | | |
| * City: | Savoy | | | County: C | hampagin | | |
| * State: | IL: Il | linois | | | | | |
| Province: | | | | | | | |
| * Country: | USA: U | NITED STATES | | | | | |
| * ZIP / Pos | stal Code: | 61874-0256 | | * Project/ F | Performance Site C | ongressional District: | IL-013 |
| Organizati DUNS Nur * Street1: Street2: * City: * State: Province: | on Name: | Site Location 1 | | ernment, acaden | nia, or other type of | not on behalf of a come forganization. | |
| Additional | l Location | s) | | Add Attachm | ent Delete A | ttachment | Attachment |



The following attachment is not included in this view since it is not a read-only PDF file.

The agency will receive all application forms and attachments without any data loss.

AttachmentForm_1_2-ATT6-1239-Savoy BUILD Letters of Support.pdf

COMBINED DESIGN STUDY EXHIBITS CURTIS ROAD F.A. 807 / 7147 IMPROVEMENTS DUNCAN ROAD to FIRST STREET

SECTION NO. 00-00374-00-ES PROJECT NO. M-5181 (036) JOB NO. P-95-073-00 CHAMPAIGN COUNTY

PREPARED FOR:



Champaign-Urbana Urbanized Area Transportation Study
A Program of the Champaign County Regional Planning Commission

PREPARED BY:



DESIGN EXHIBITS

| 1–12 | CURTIS ROAD |
|--------------|-------------------------------|
| 13 | DETENTION FACILITY |
| 14 | WETLAND COMPENSATION PLAN |
| 15–16 | DUNCAN ROAD |
| 17 | MATTIS AVENUE |
| 18 | PROSPECT AVENUE |
| 19 | FIRST STREET |
| 20-26 | CN/IC RAILROAD RELOCATION |
| 27 | GENERAL PLAN — CN / IC RAILRO |

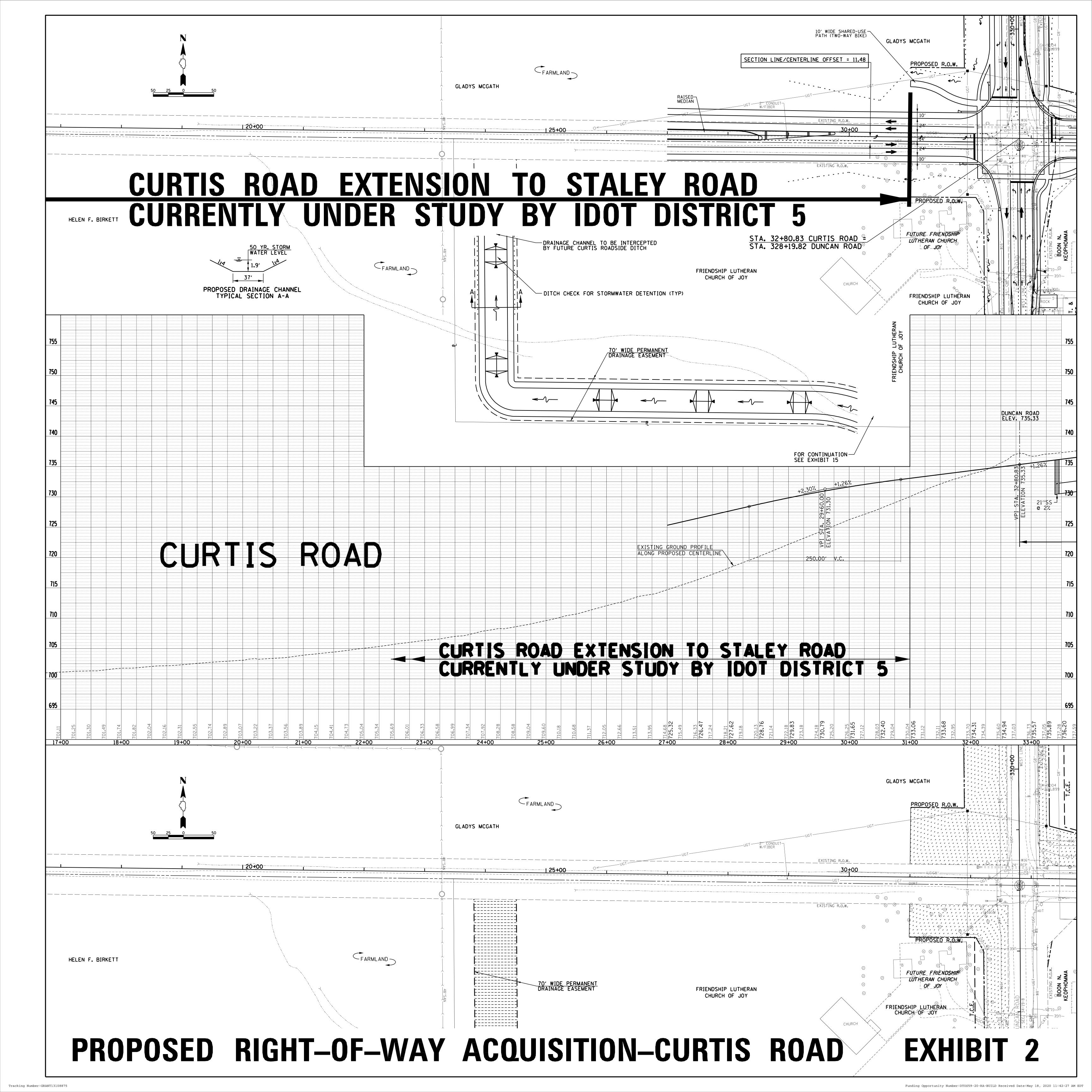
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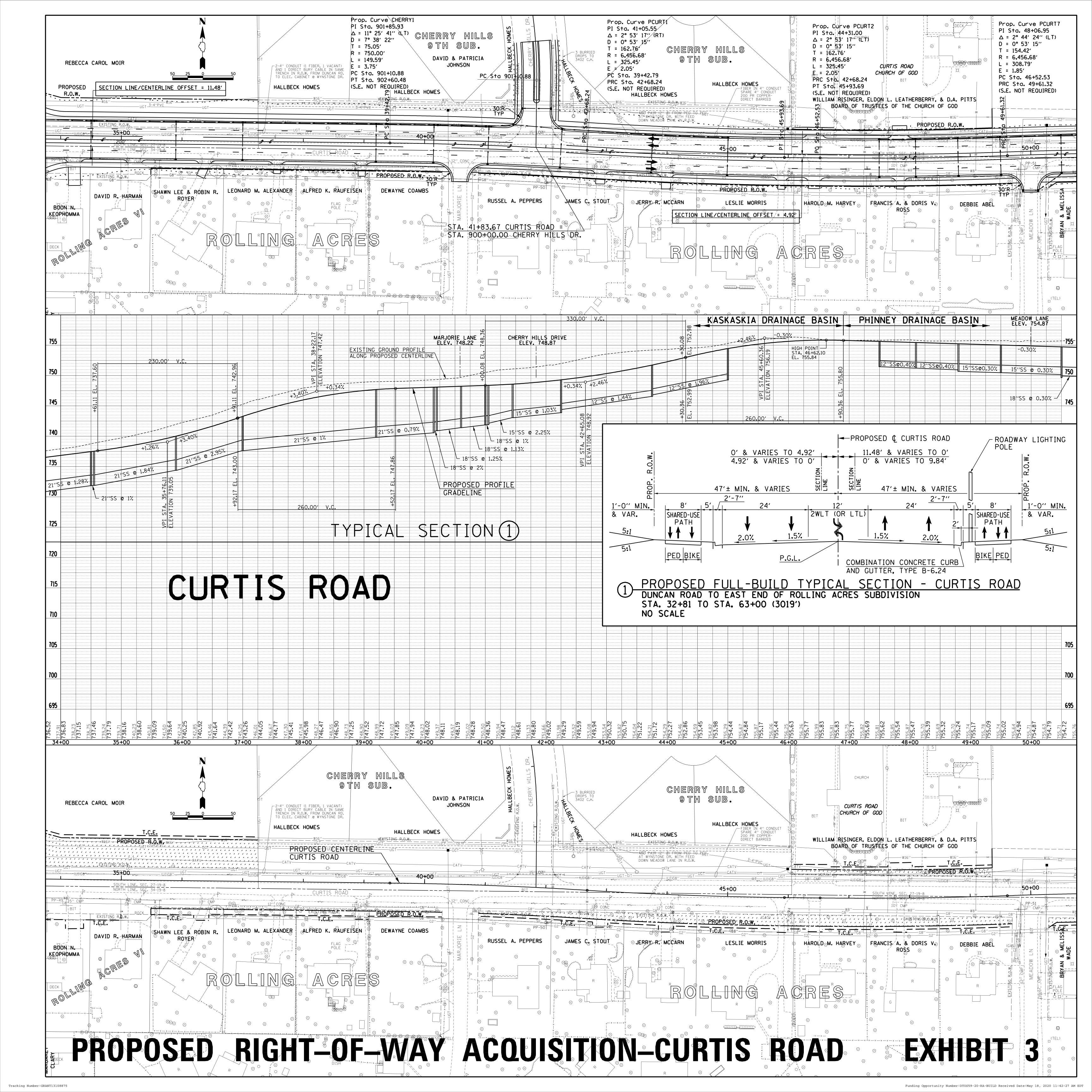
28–36 INTERSECTION DESIGN STUDIES

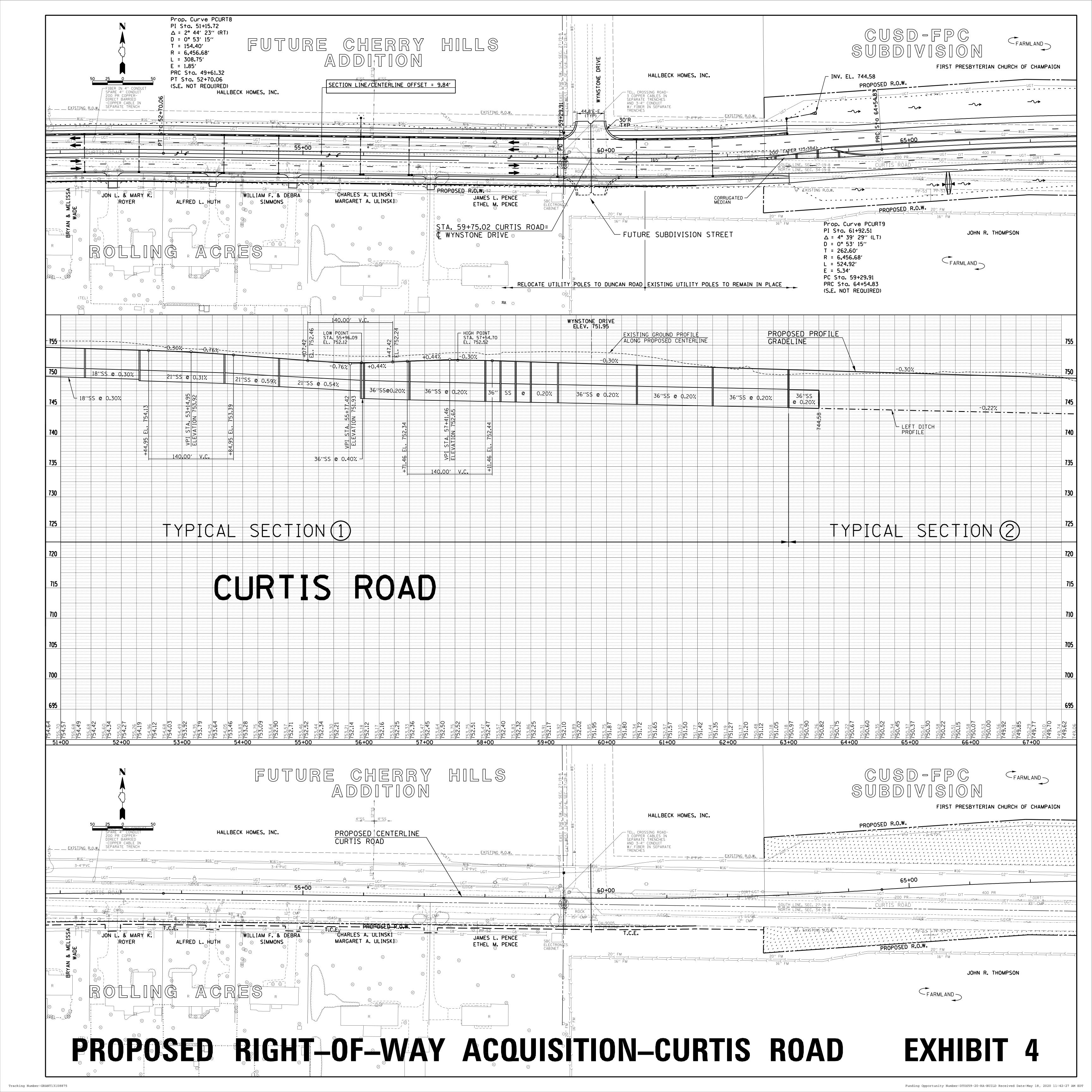
(FULL BUILD)

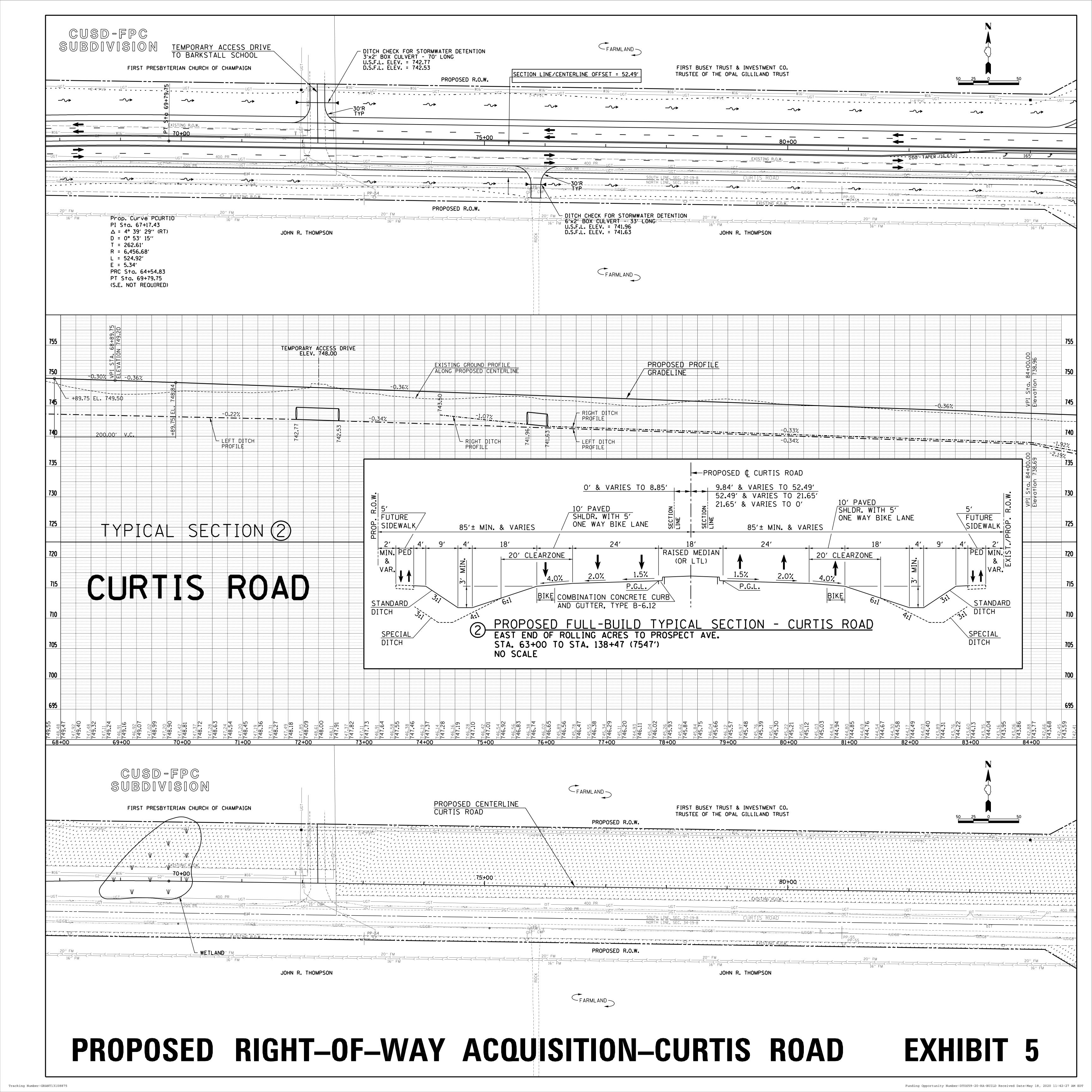
37–42 INTERSECTION DESIGN STUDIES (INTERIM BUILD)

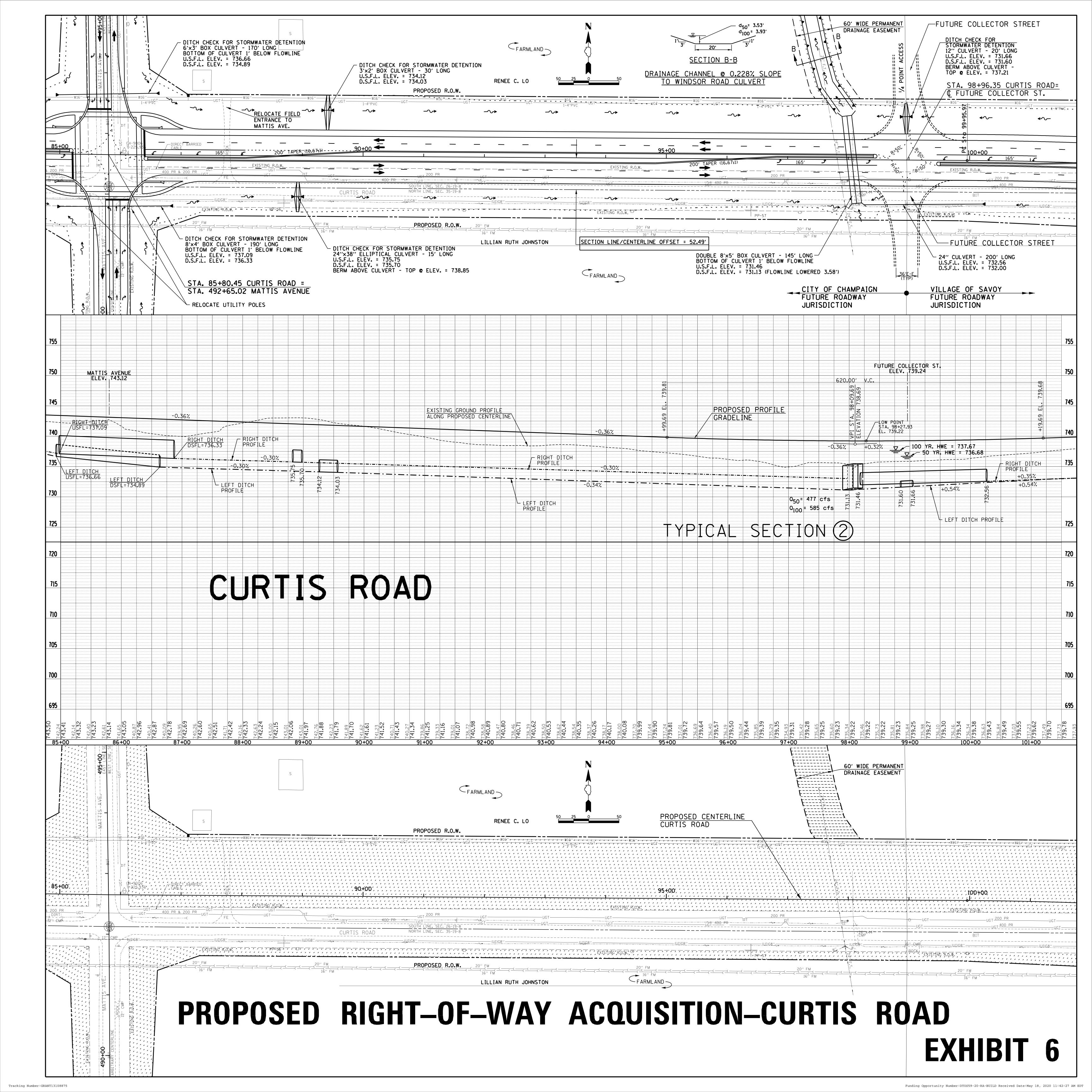
AREA OF FUTURE CURTIS RD. INTERCHANGE WITH 1–57 STALEY ROAD THE GENERALIZED PAVEMENT MARKINGS SHOWN ON THESE EXHIBITS ARE PROVIDED ONLY TO DELINEATE LANE DESIGNATIONS AND VEHICLE TURNING MOVEMENTS AND ARE NOT INTENDED TO REPRESENT FINAL DESIGN OF MUTCD COMPLIANT PAVEMENT MARKING. CURIIS ROAD 720 EXISTING GROUND PROFILE ALONG PROPOSED CENTERLINE I-57 SOUTH I-57; NORTH 695 PROPOSED RIGHT-OF-WAY ACQUISITION-CURTIS ROAD EXHIBIT 1

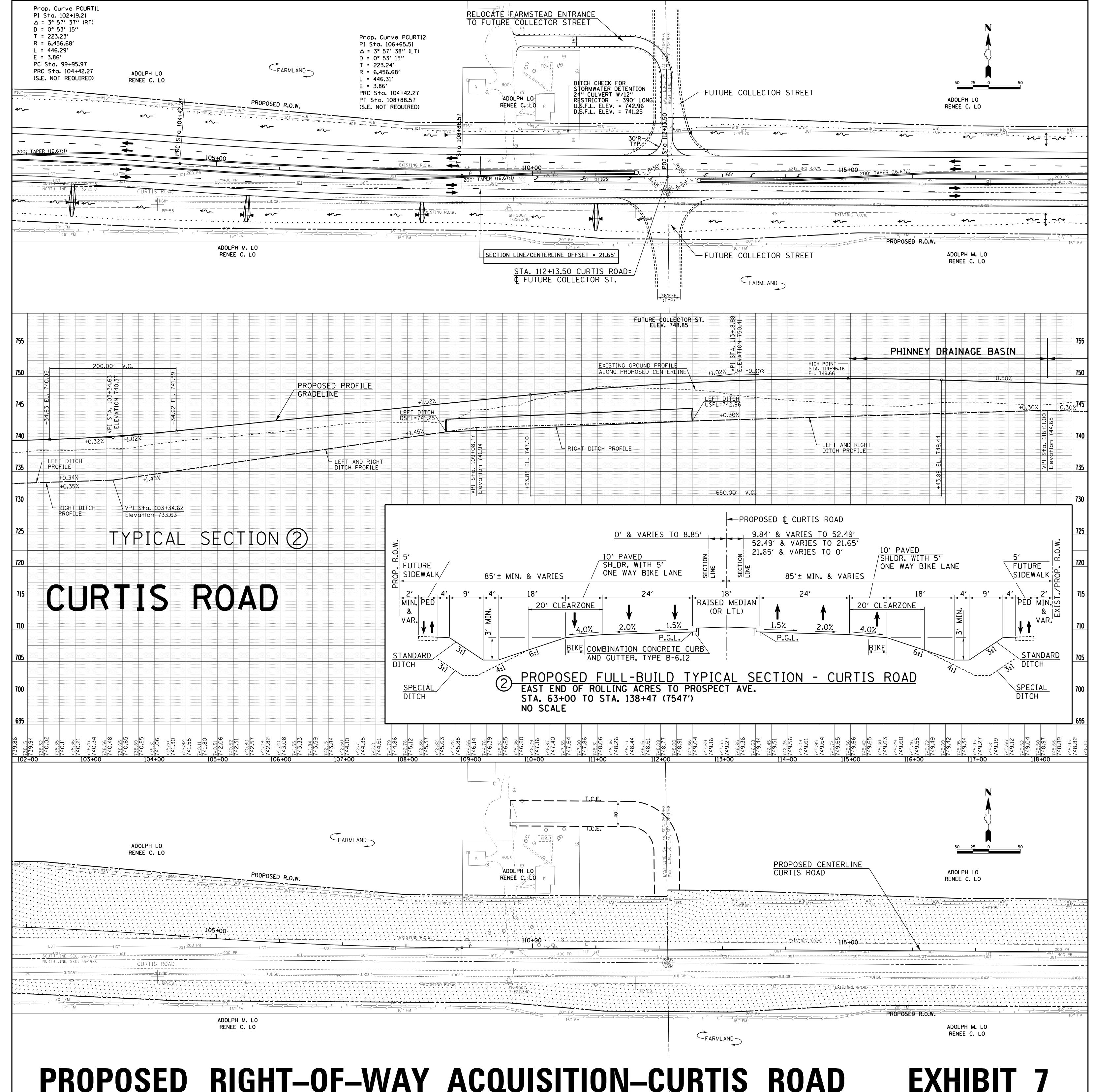




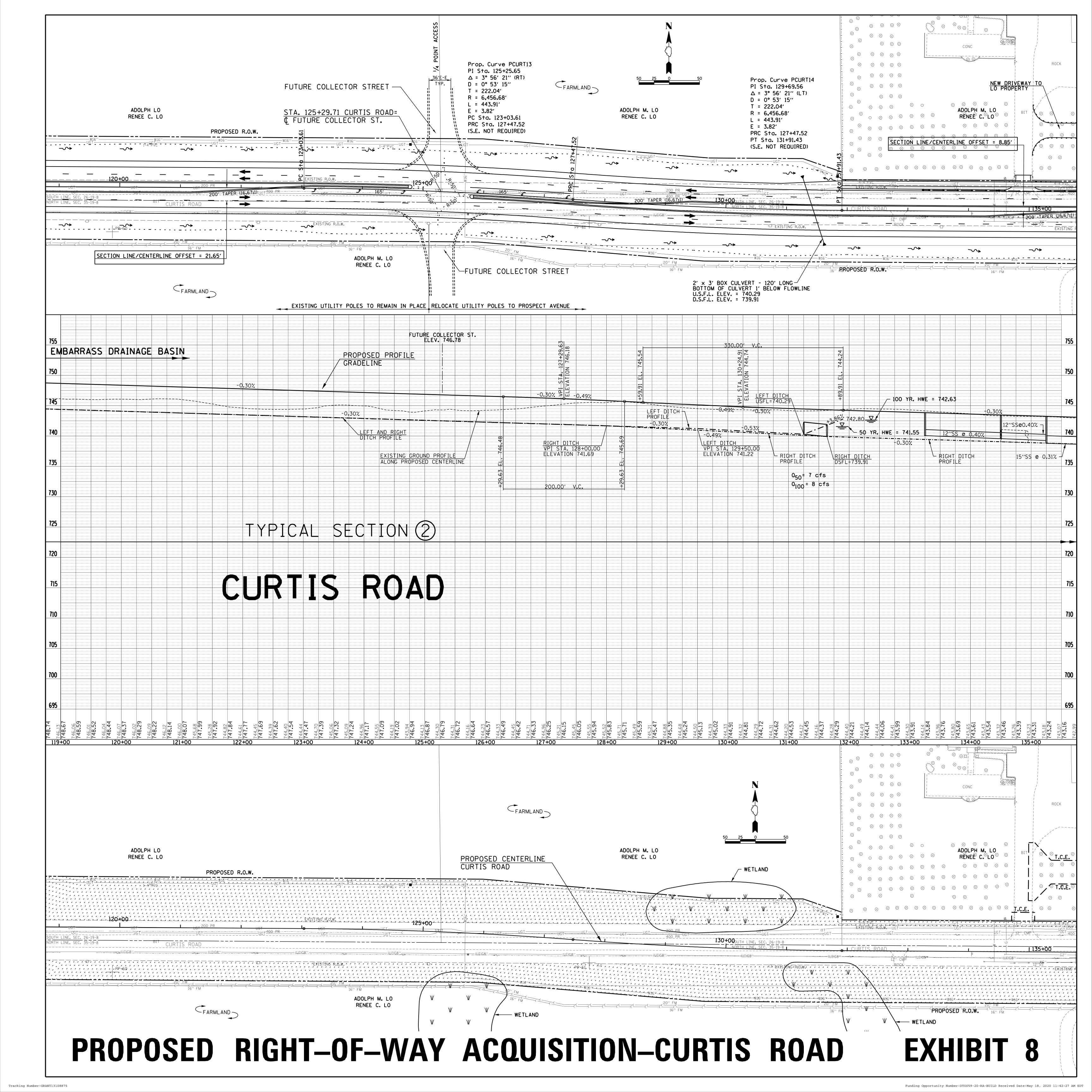


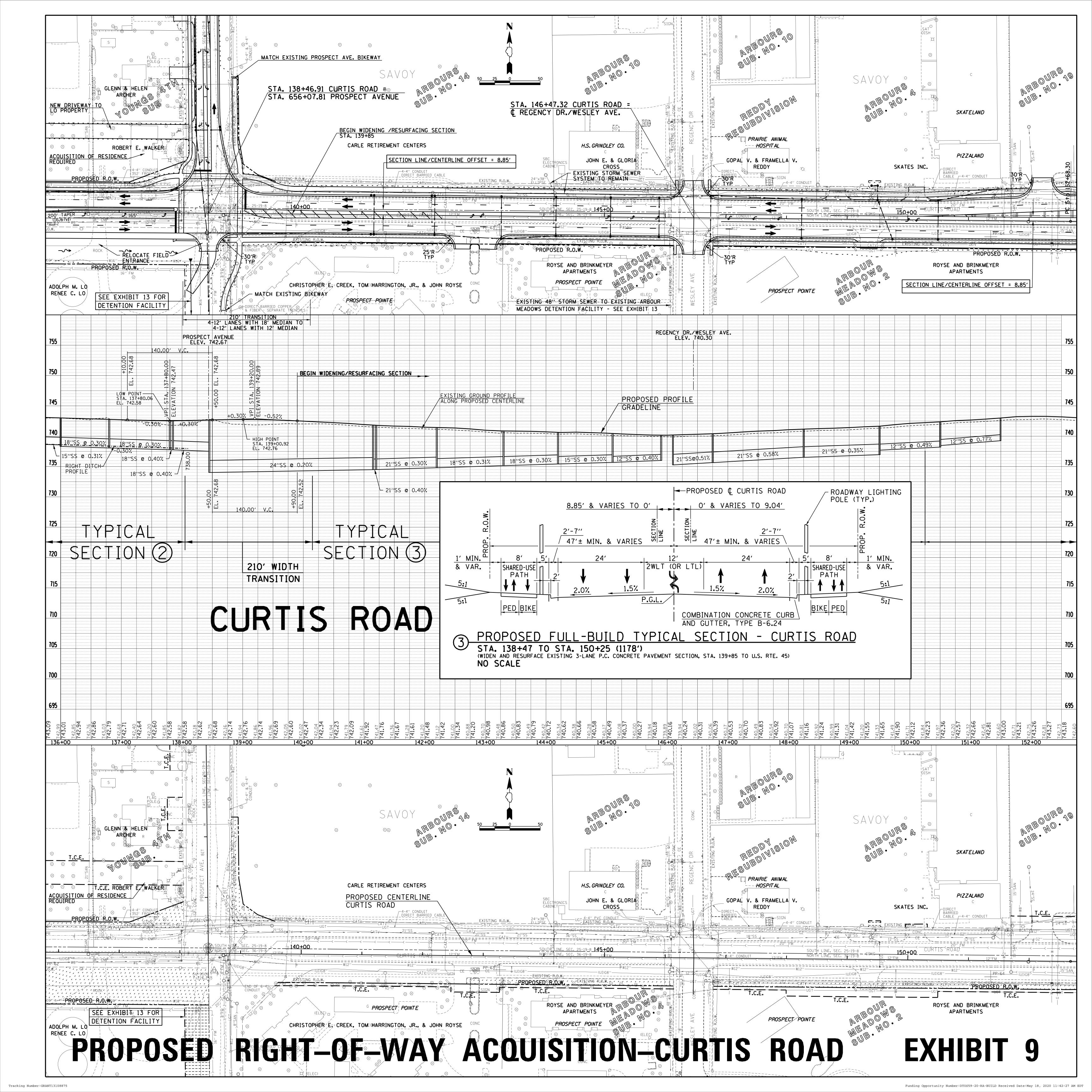


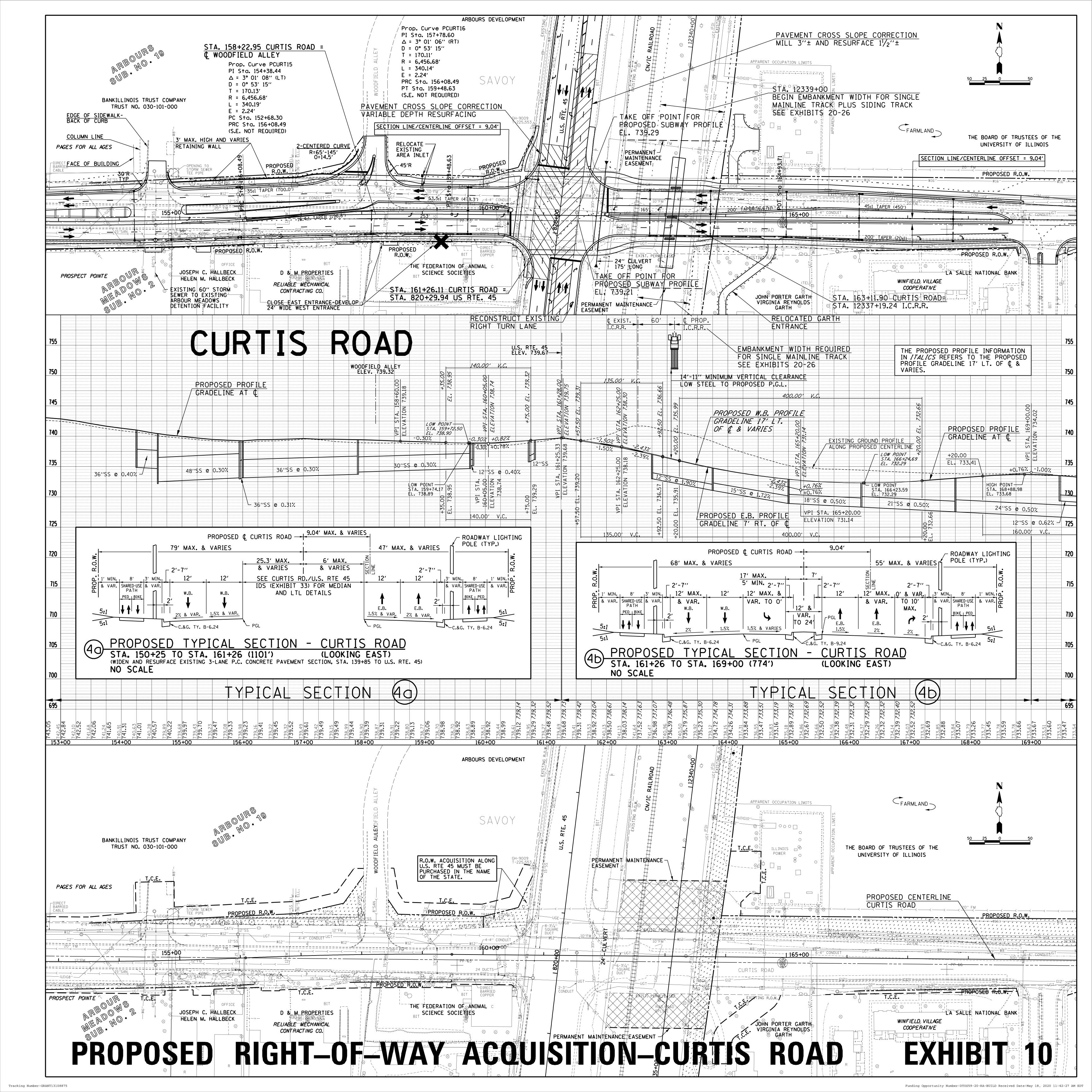


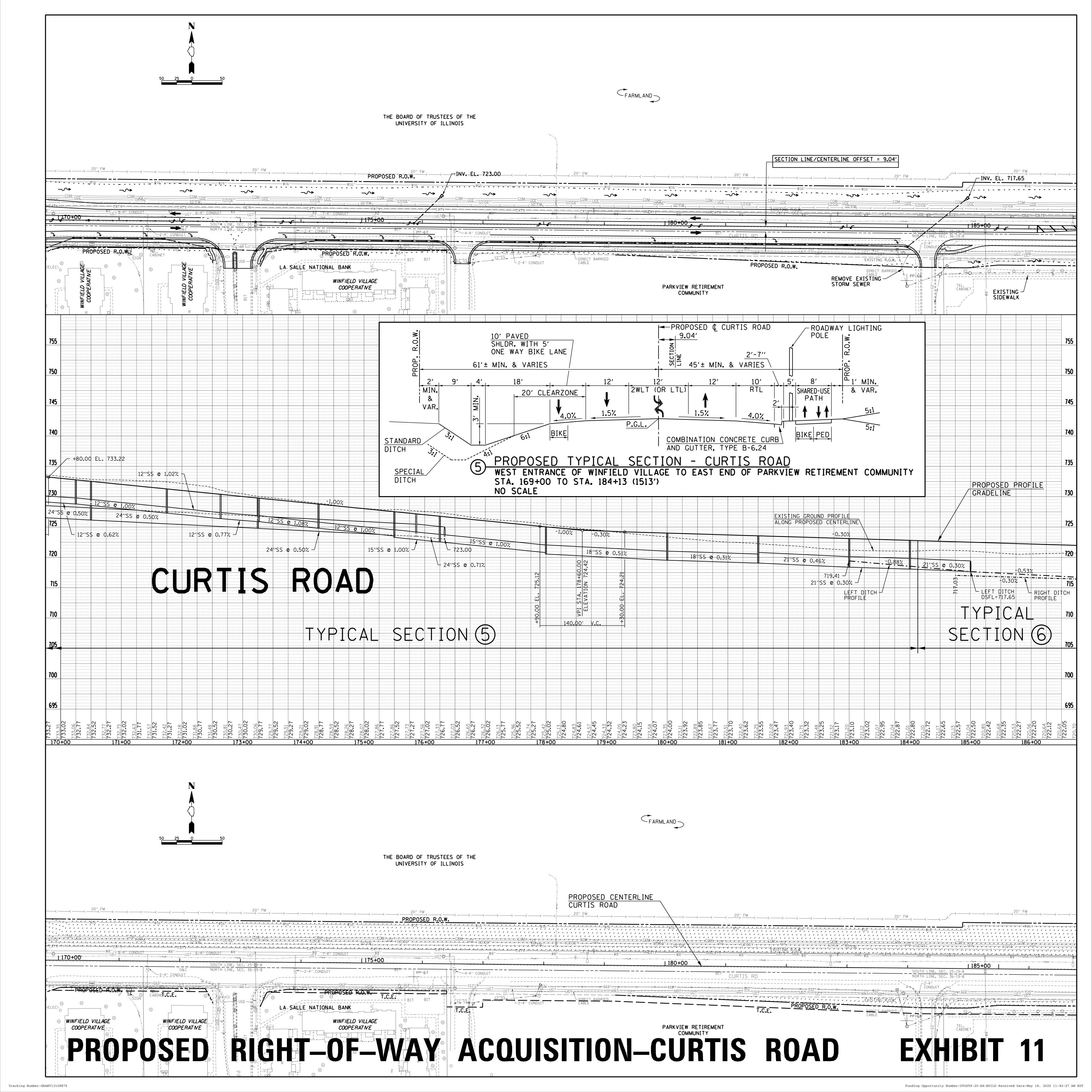


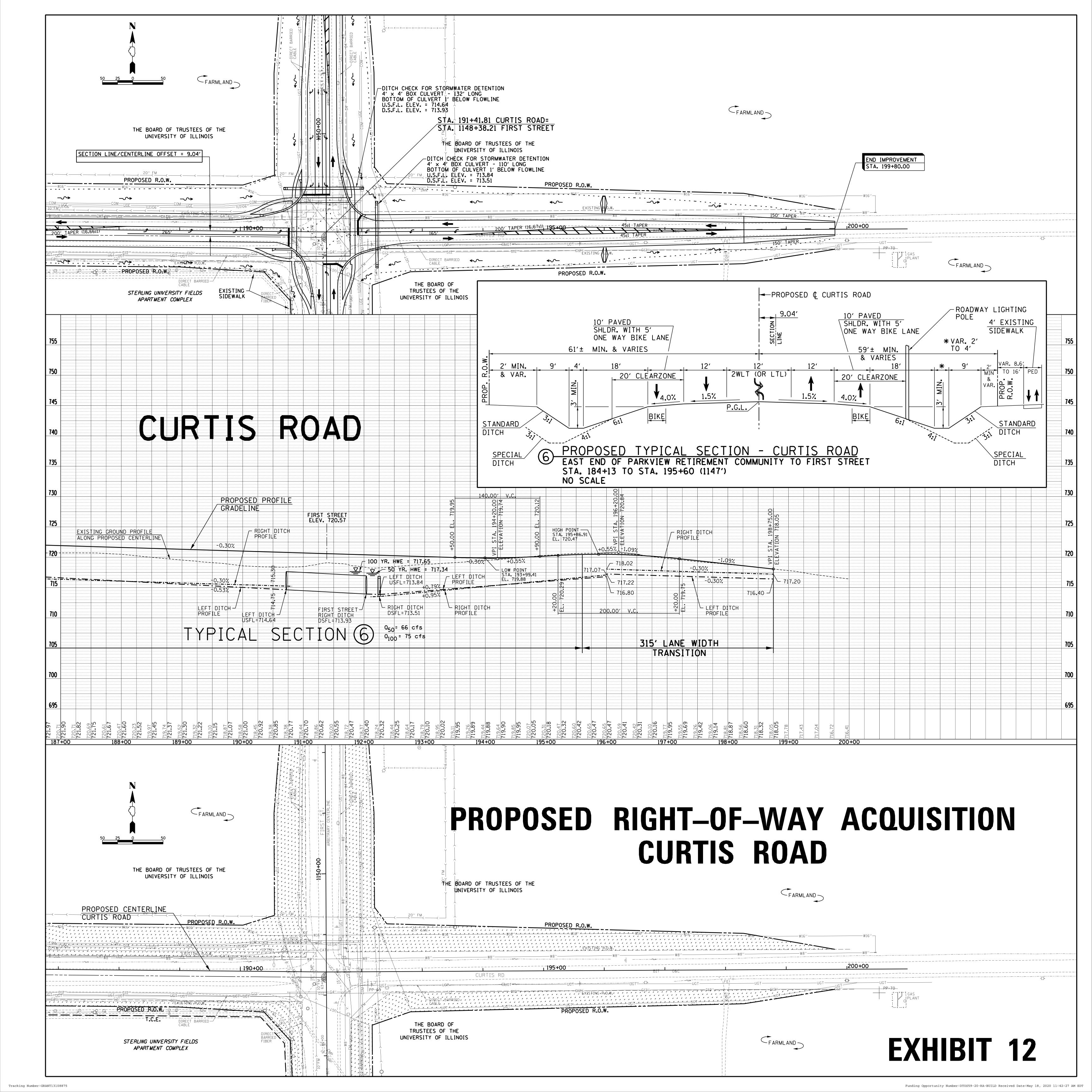
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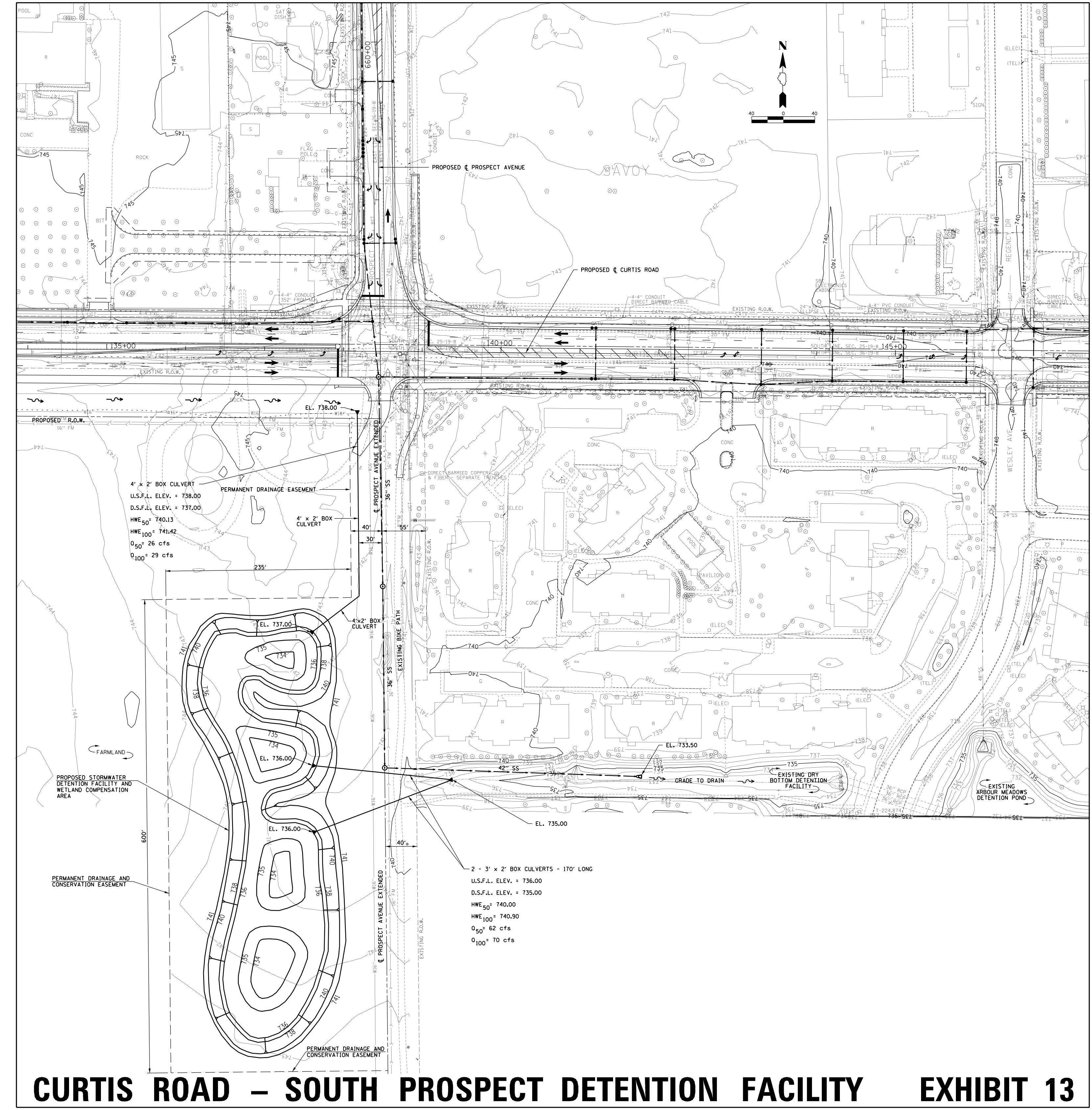


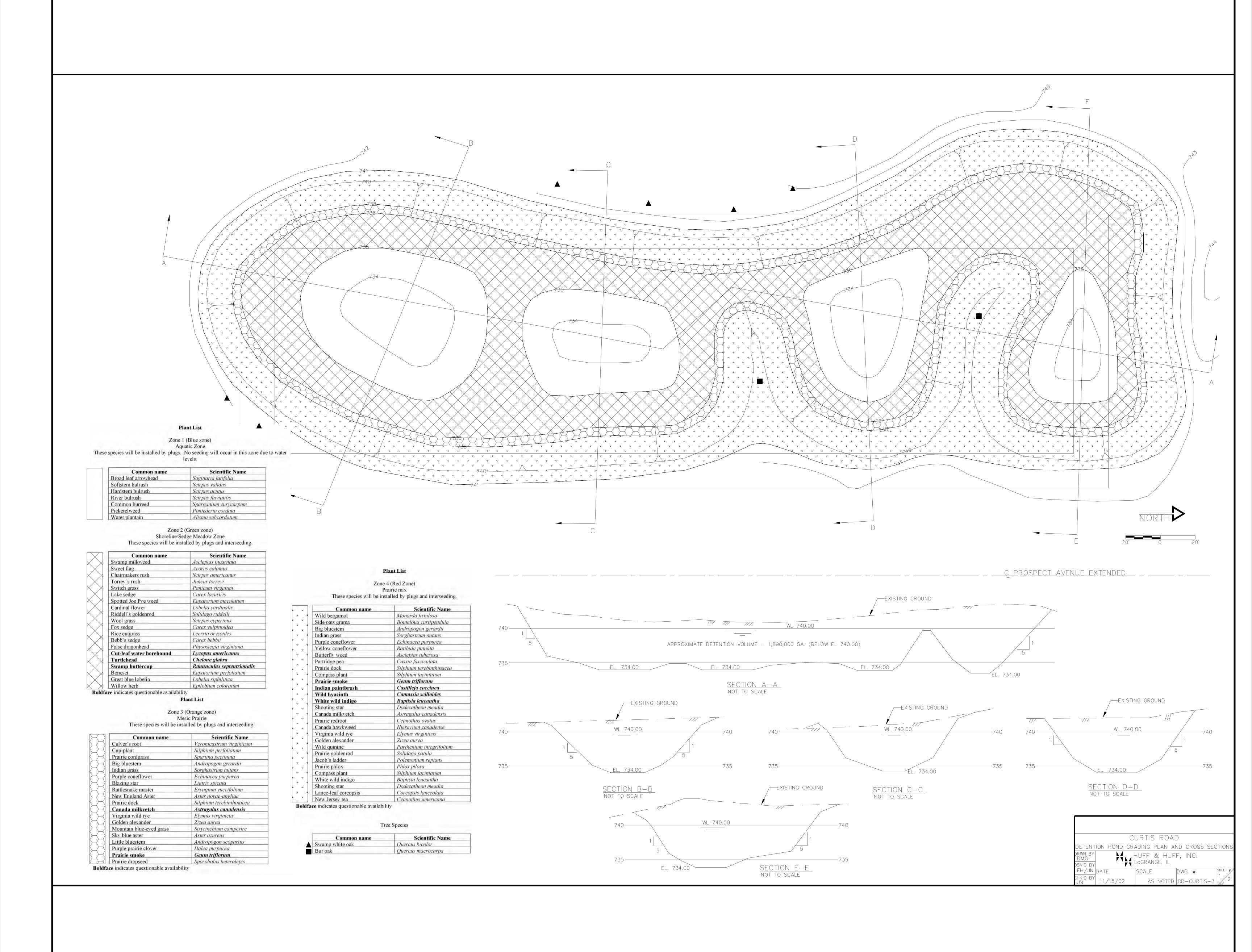




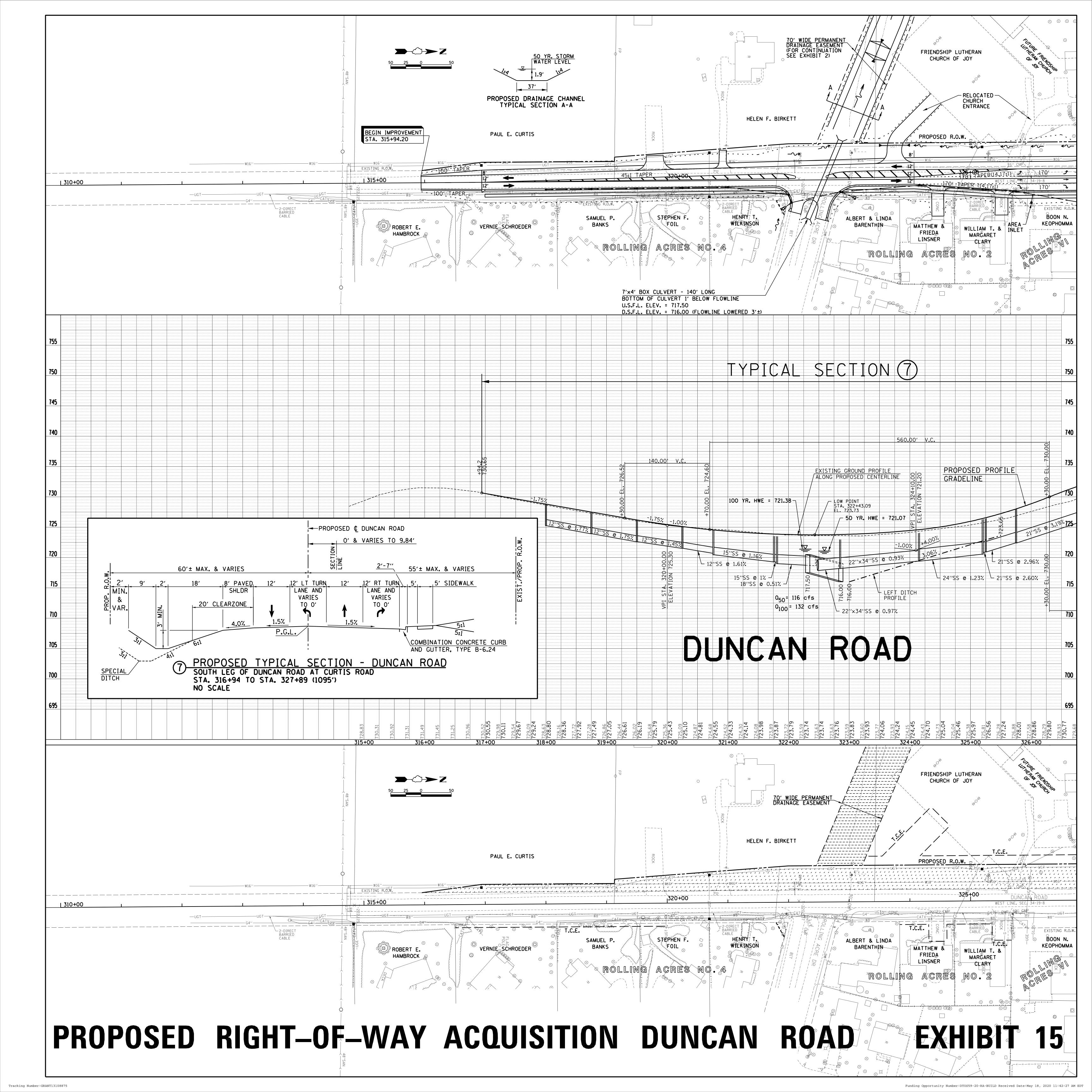


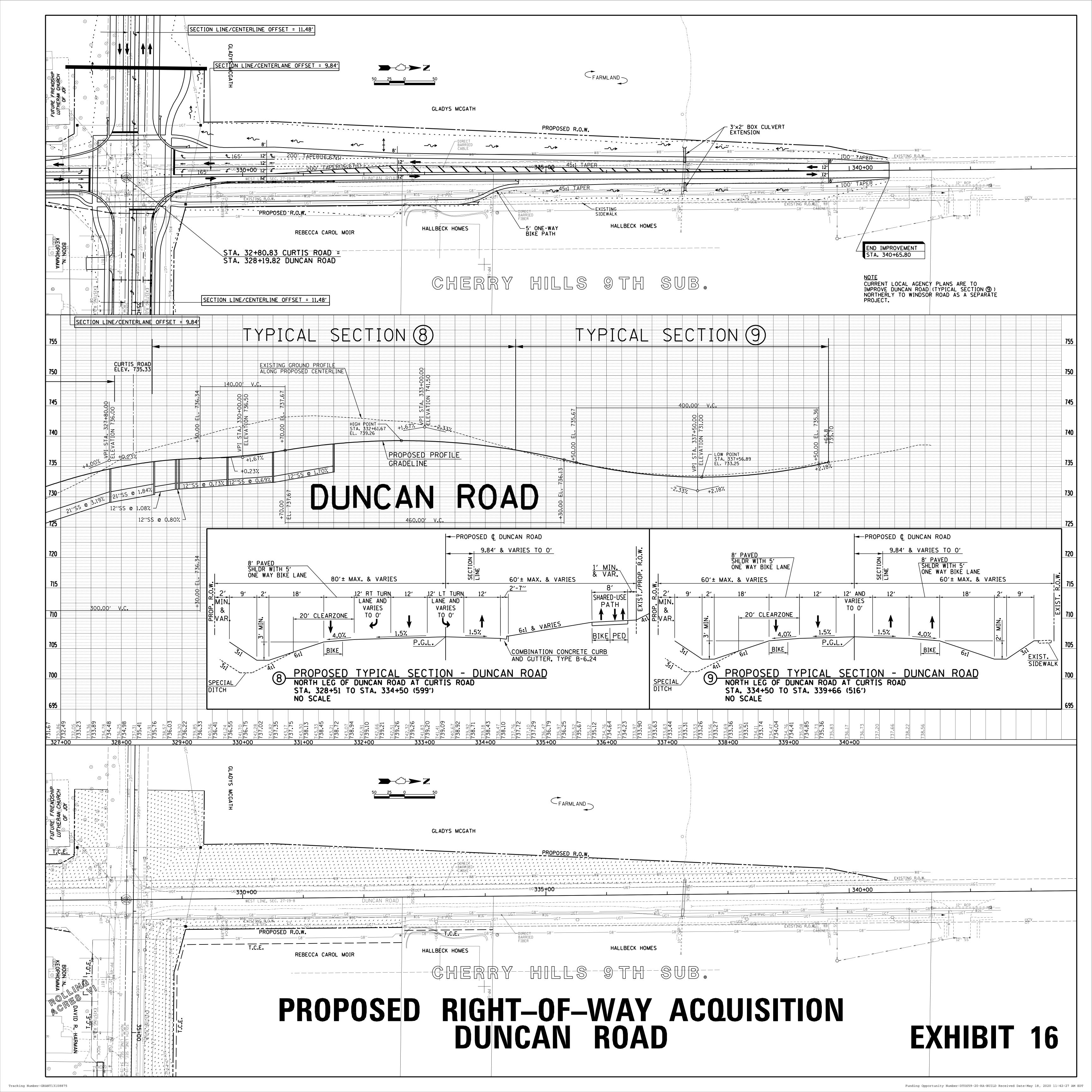


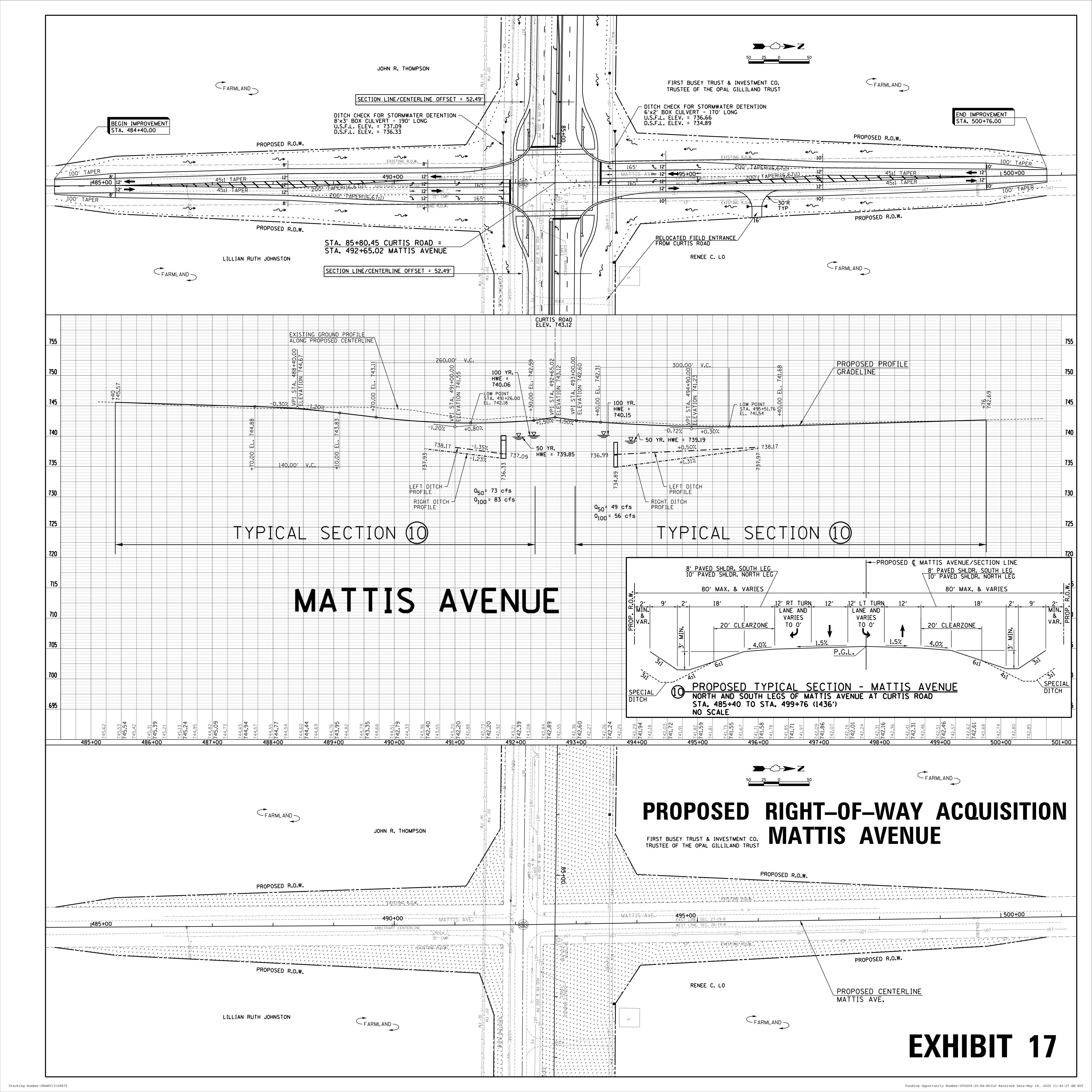


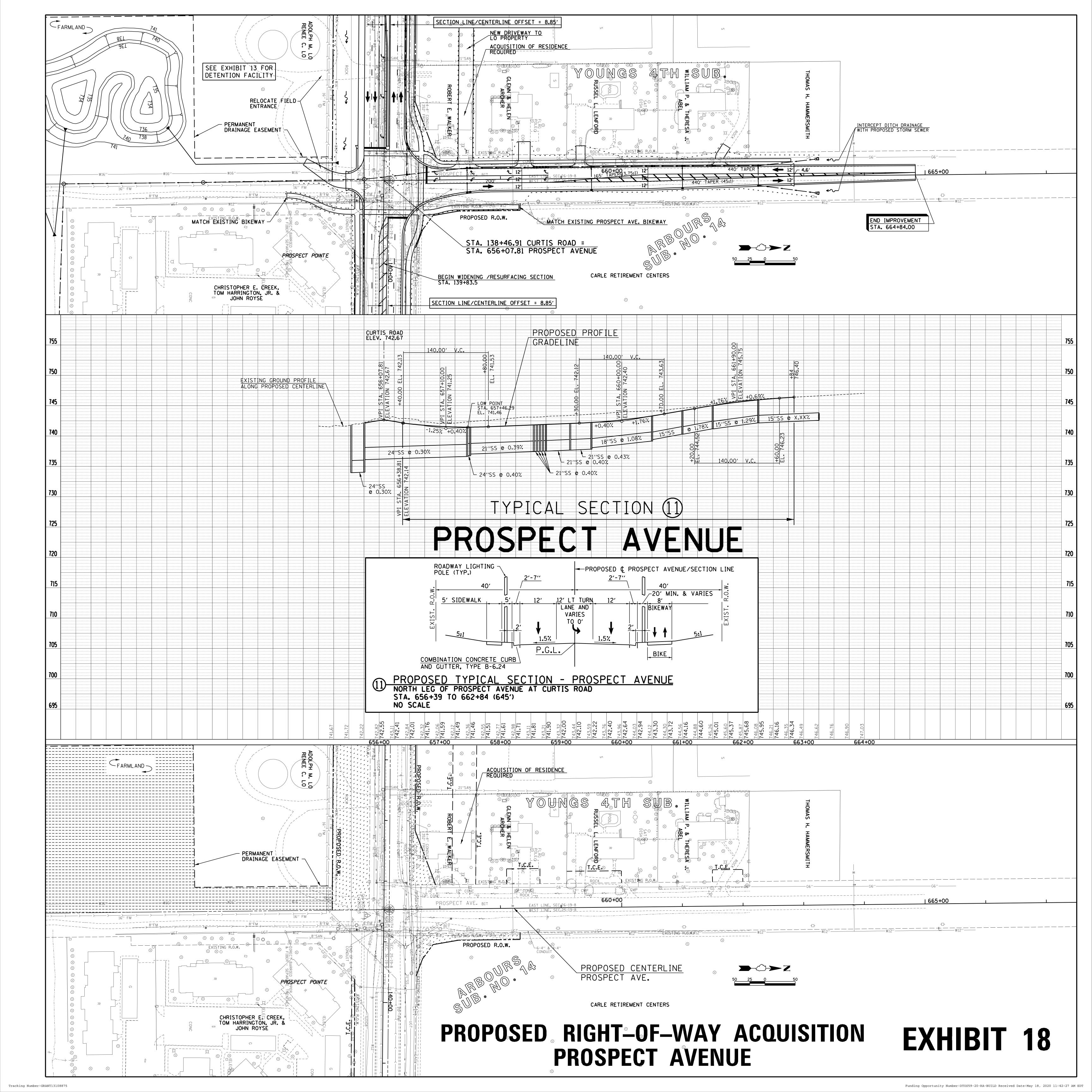


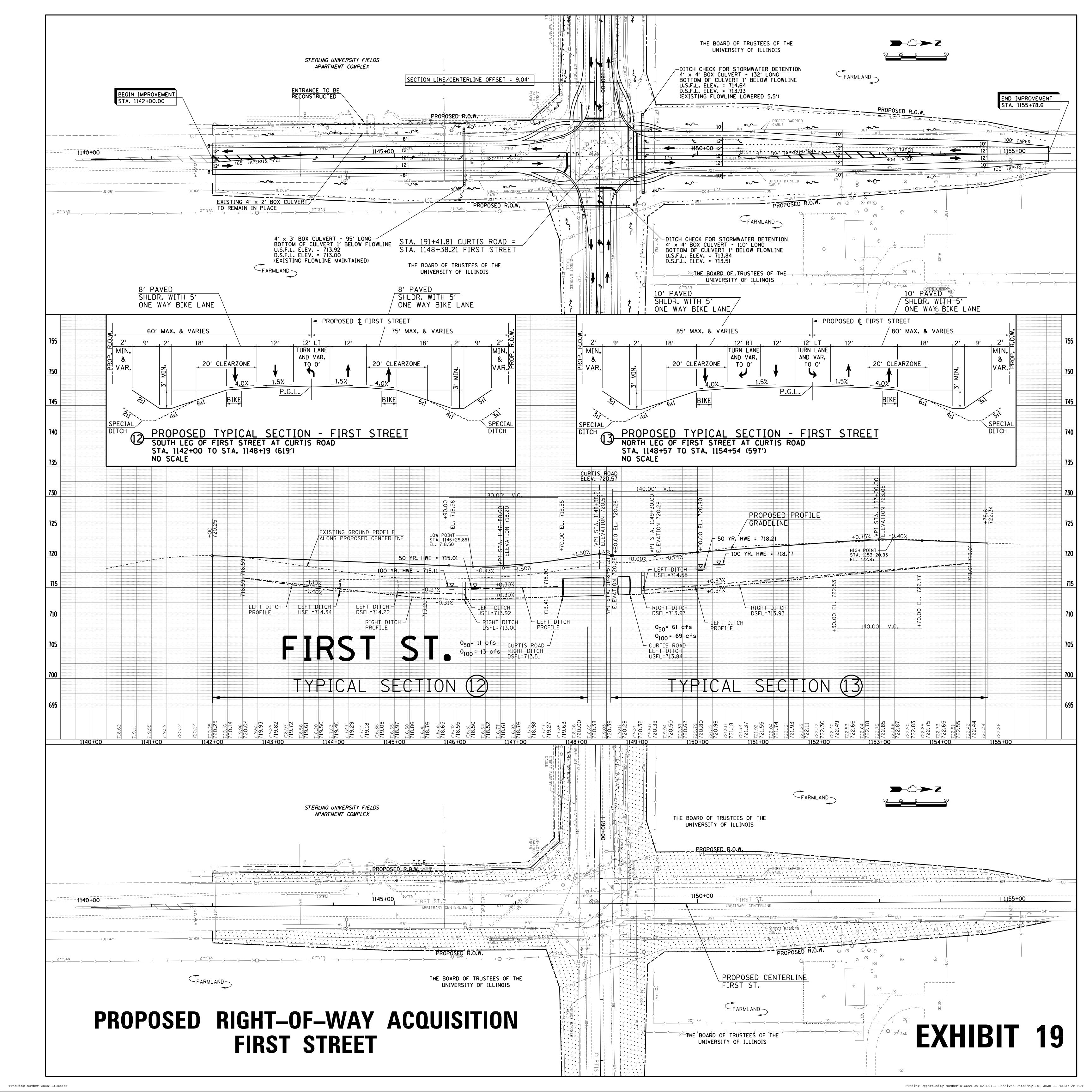
CURTIS ROAD - WETLAND COMPENSATION PLAN

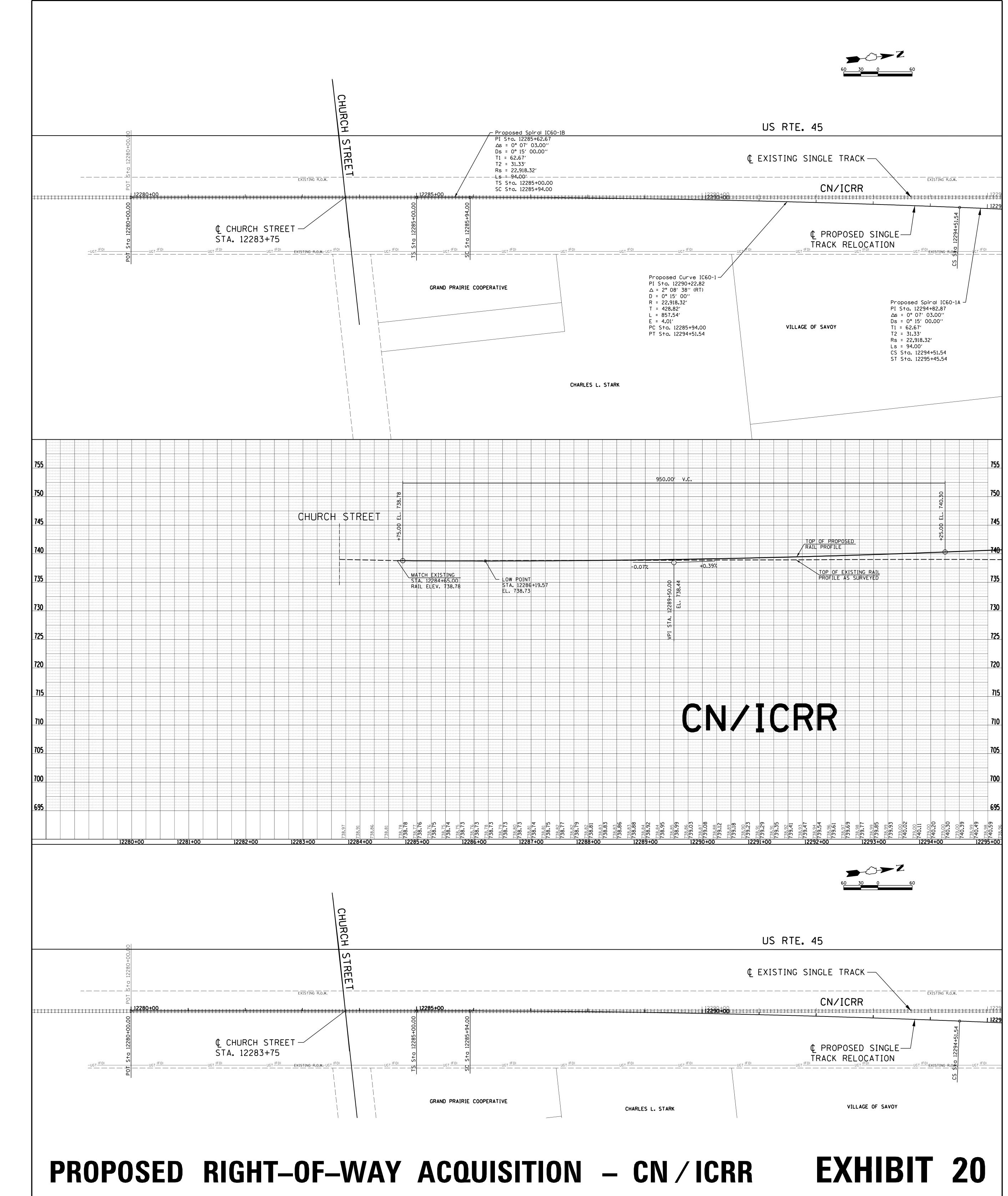


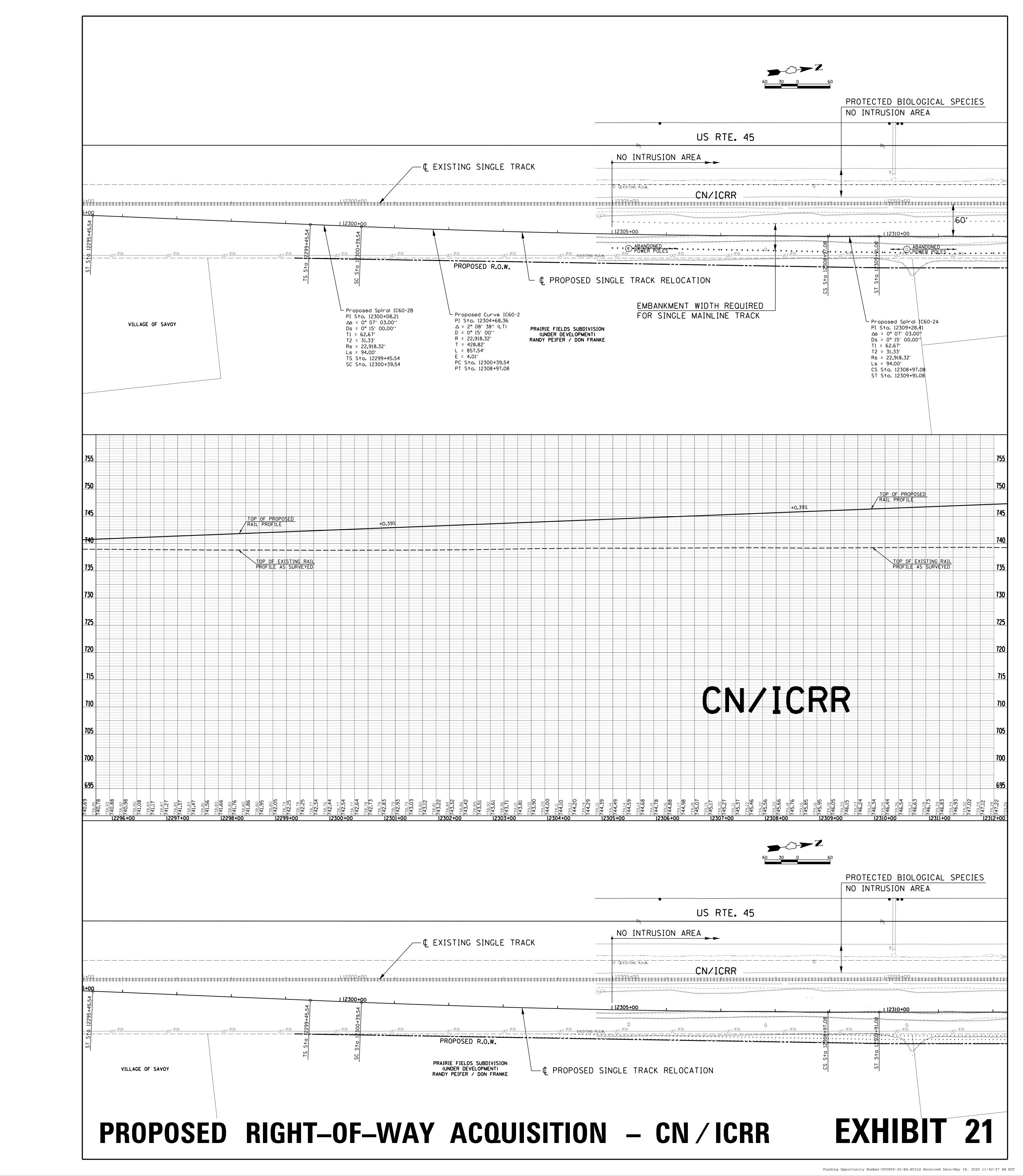


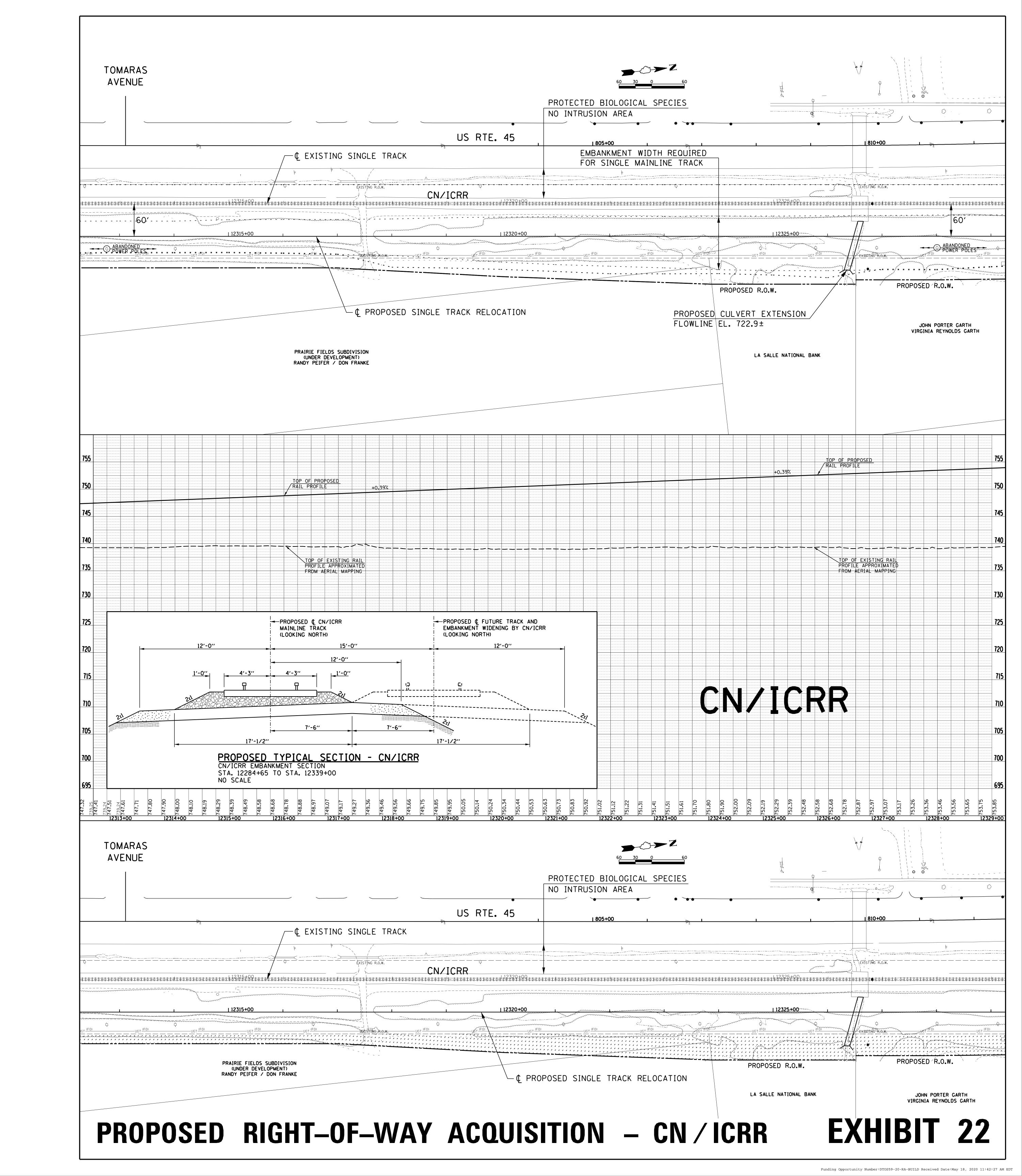


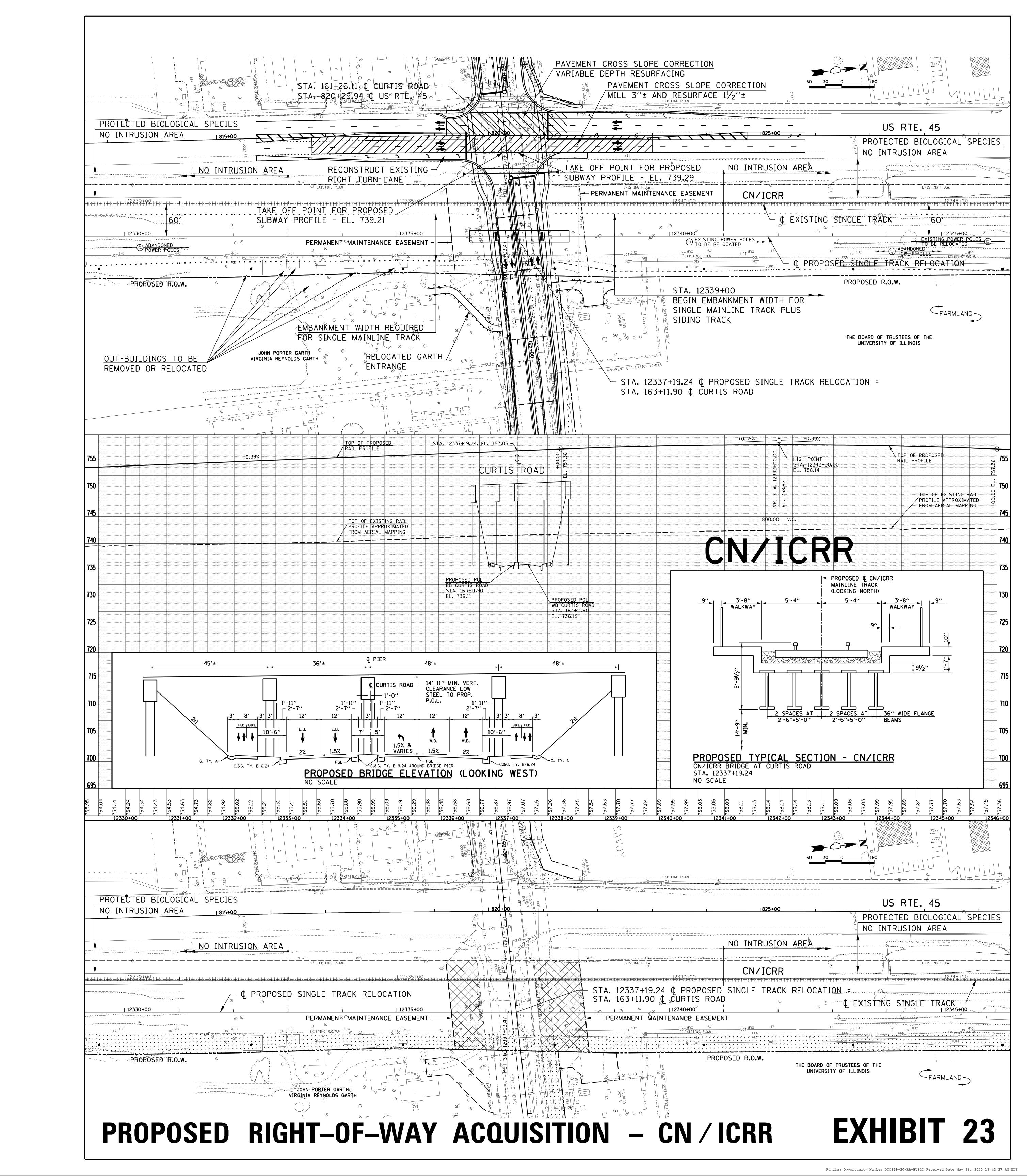


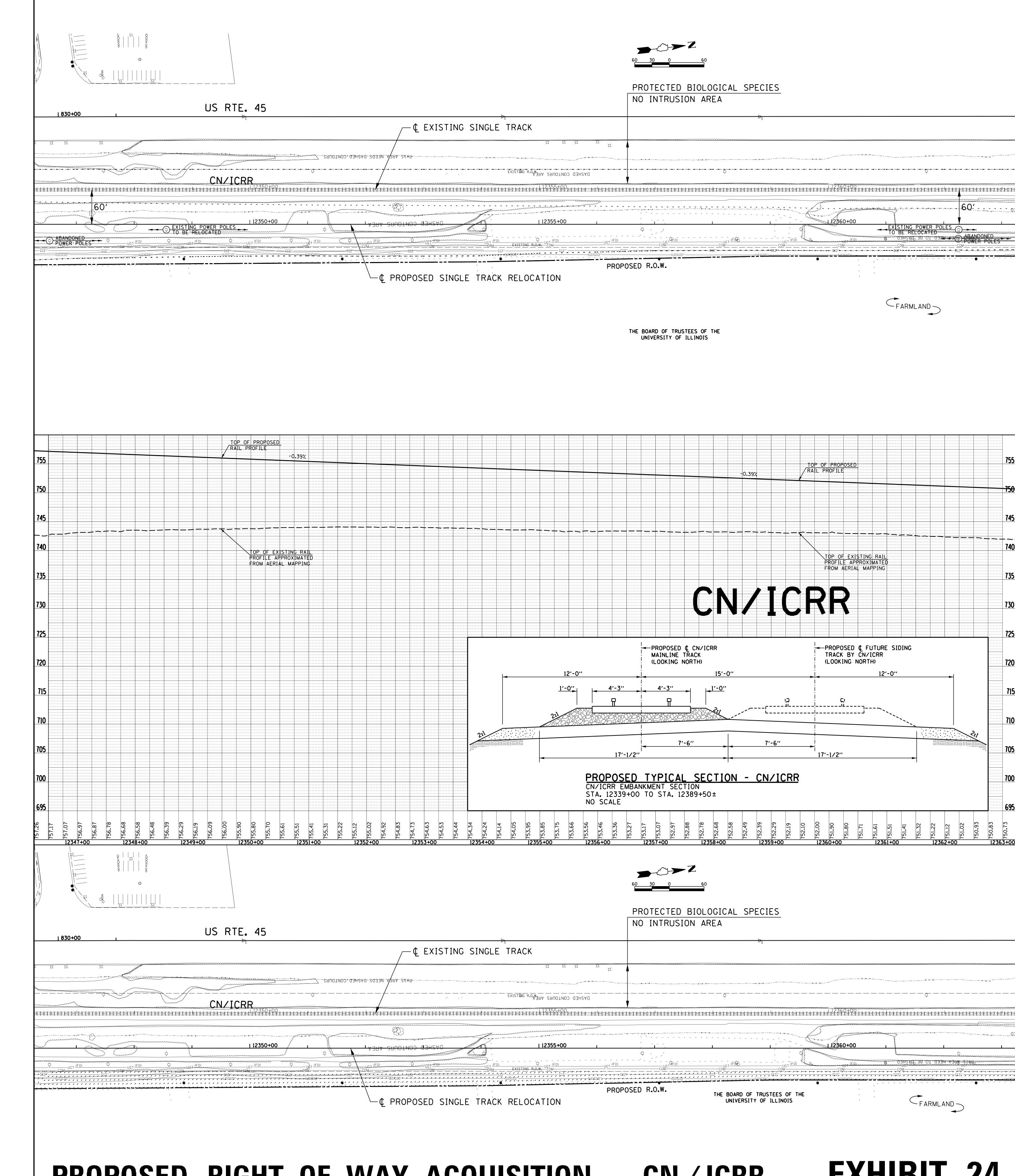




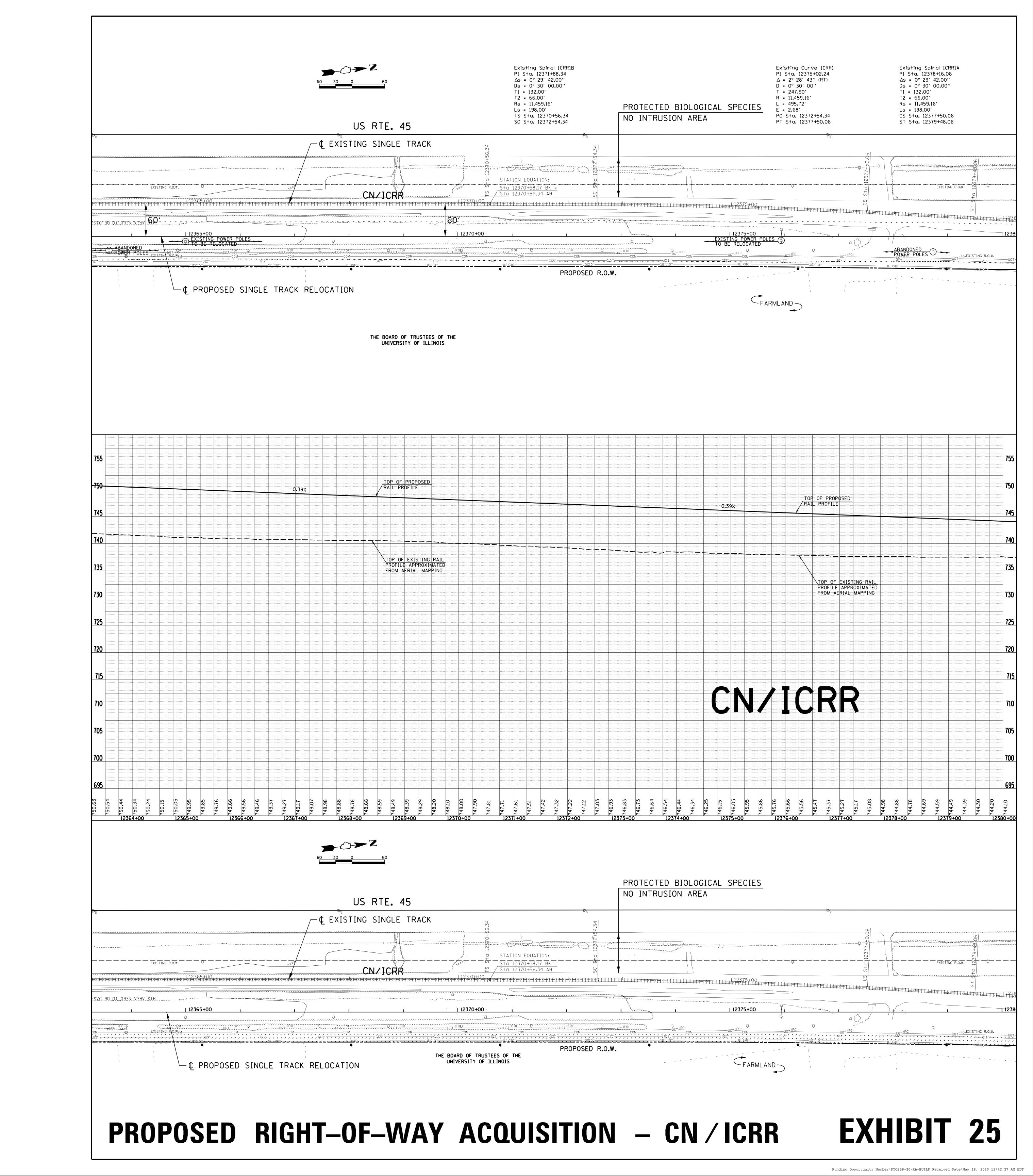


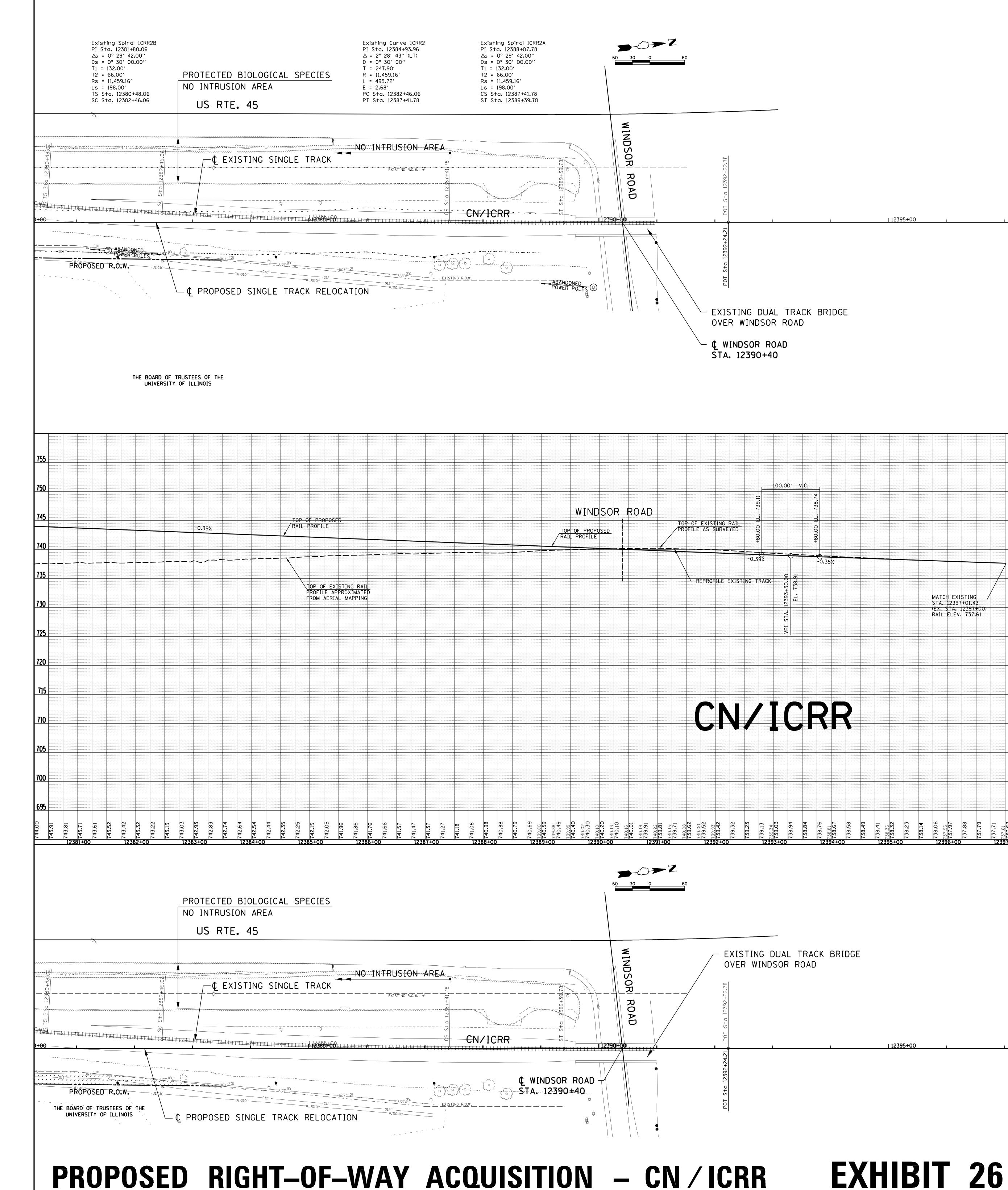


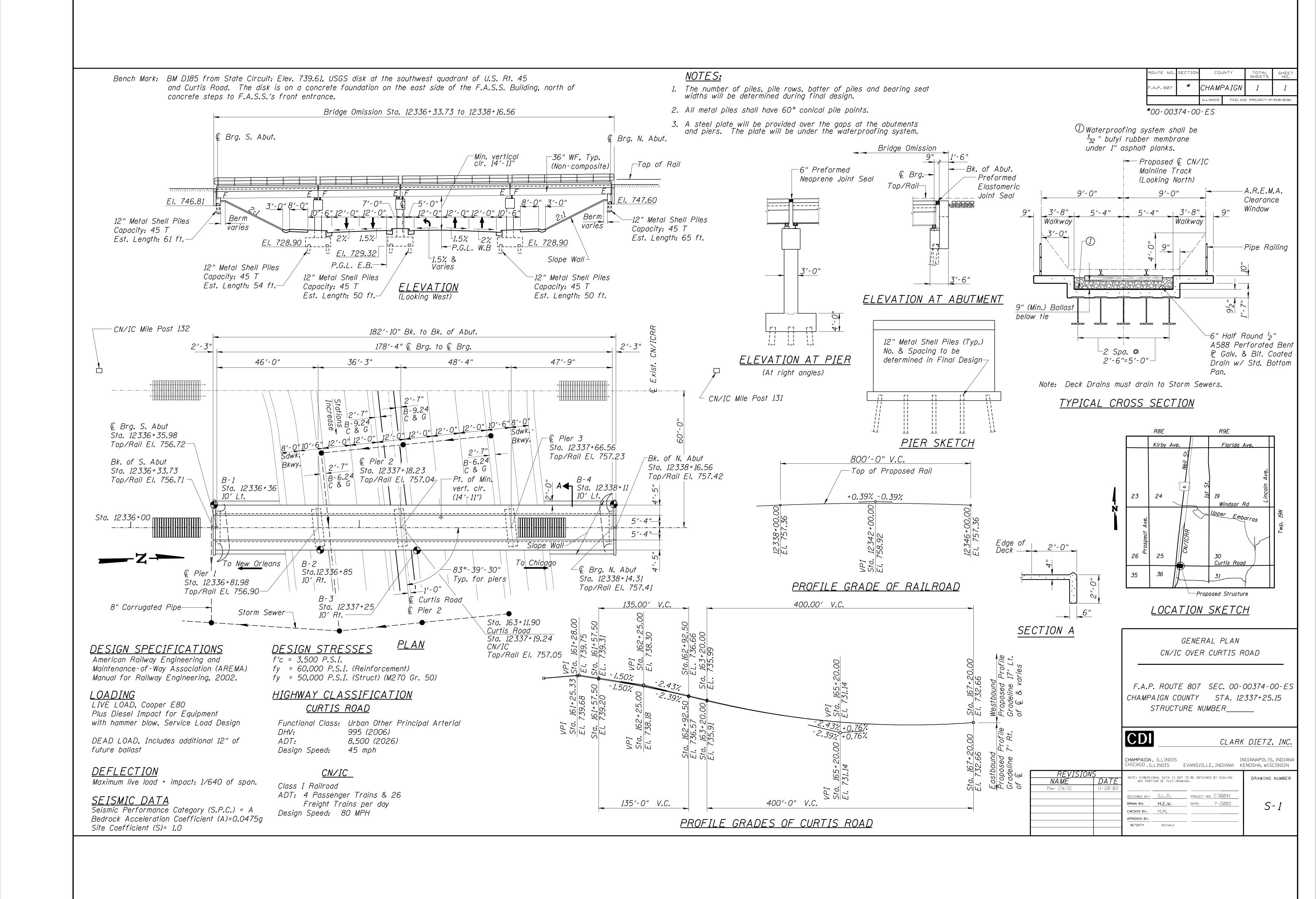




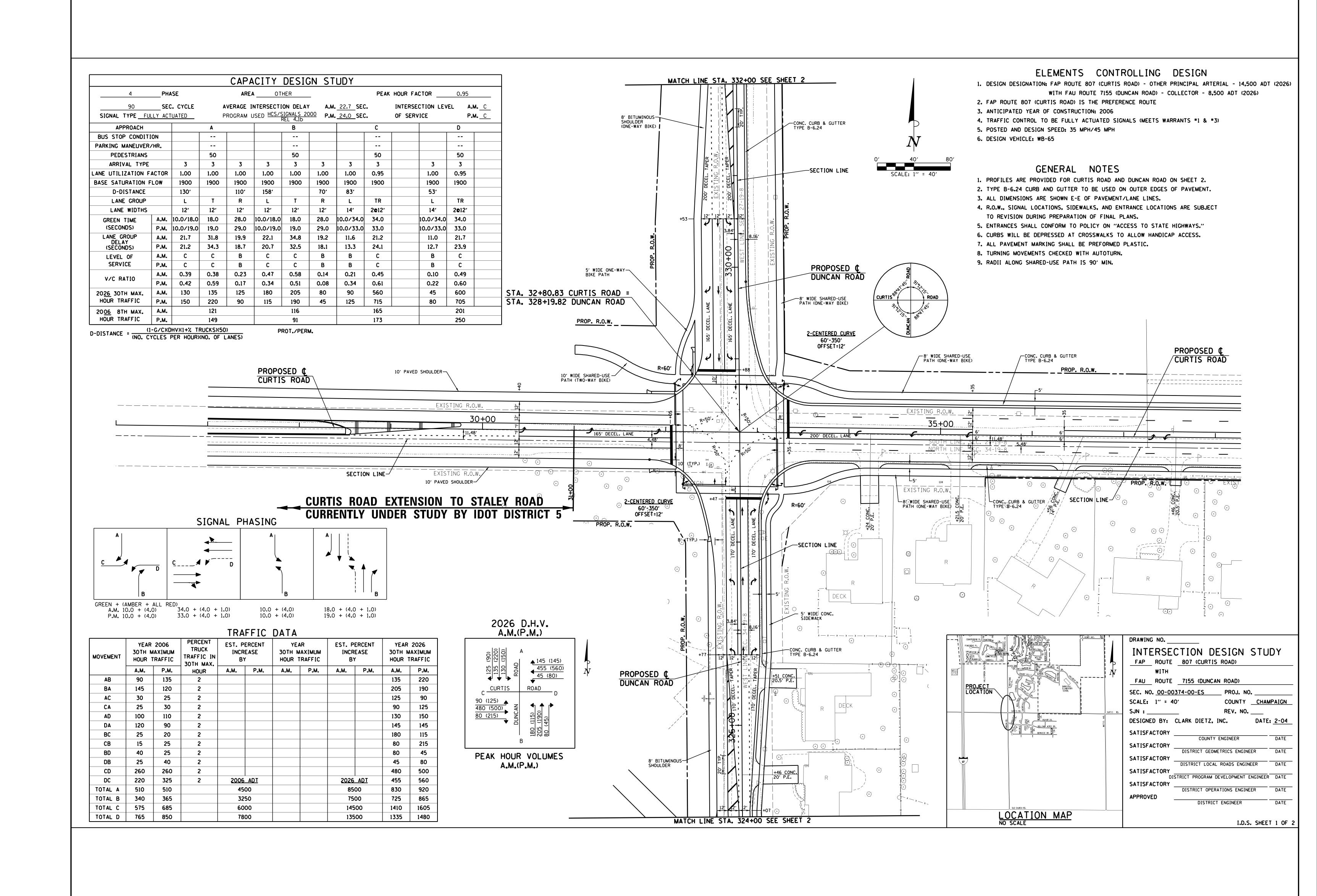
PROPOSED RIGHT-OF-WAY ACQUISITION - CN/ICRR



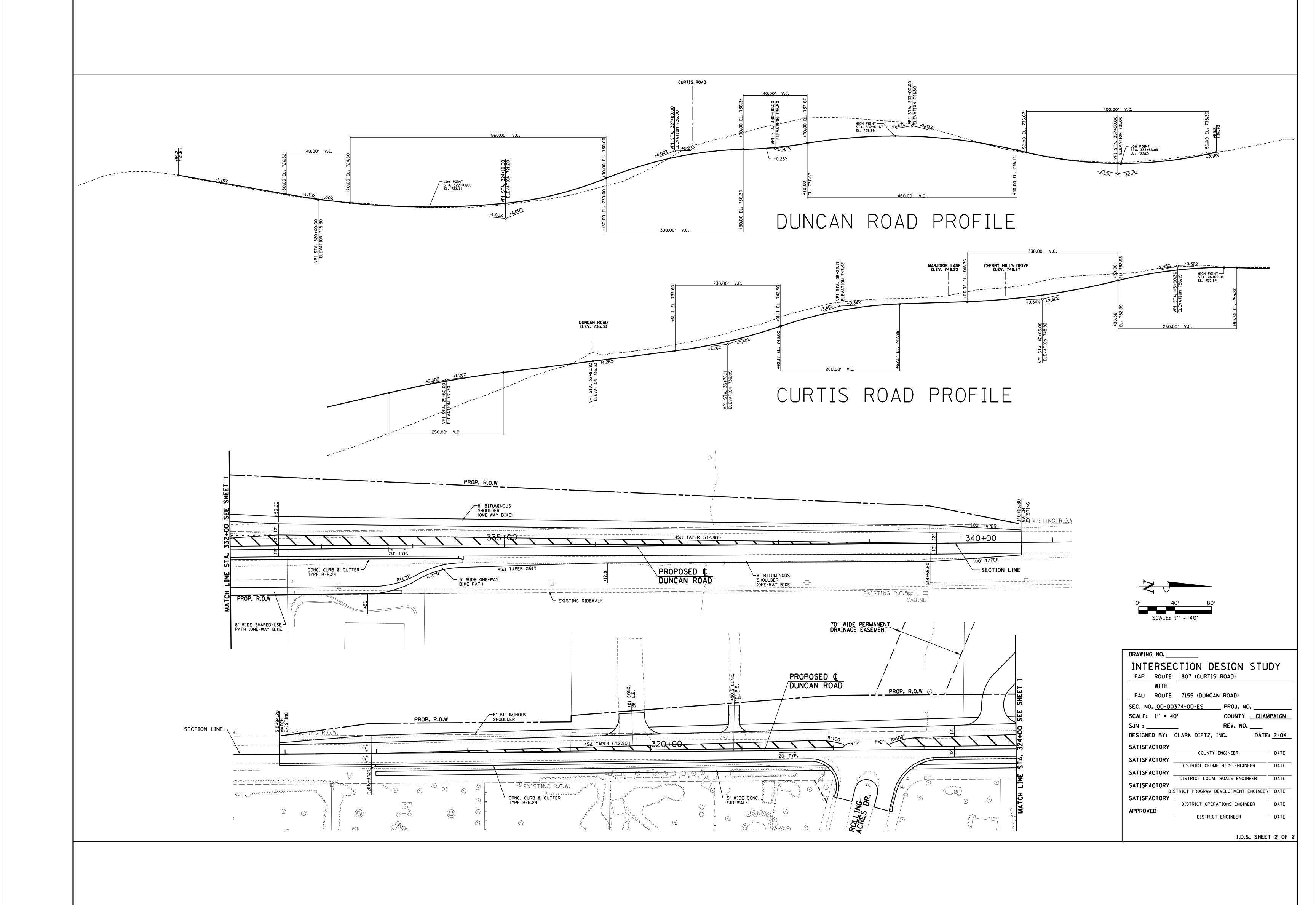


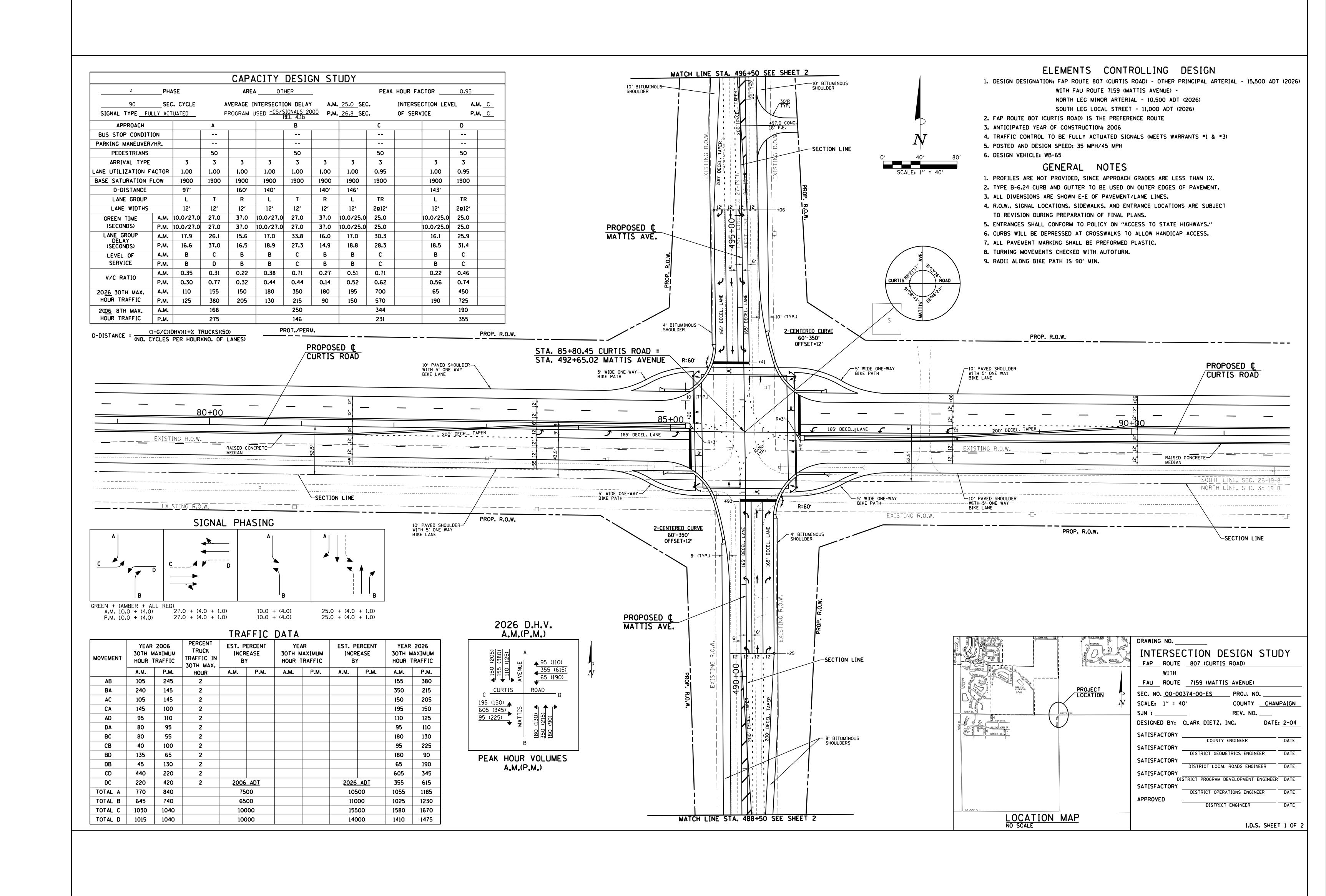


CN/IC RAILROAD BRIDGE OVER CURTIS ROAD

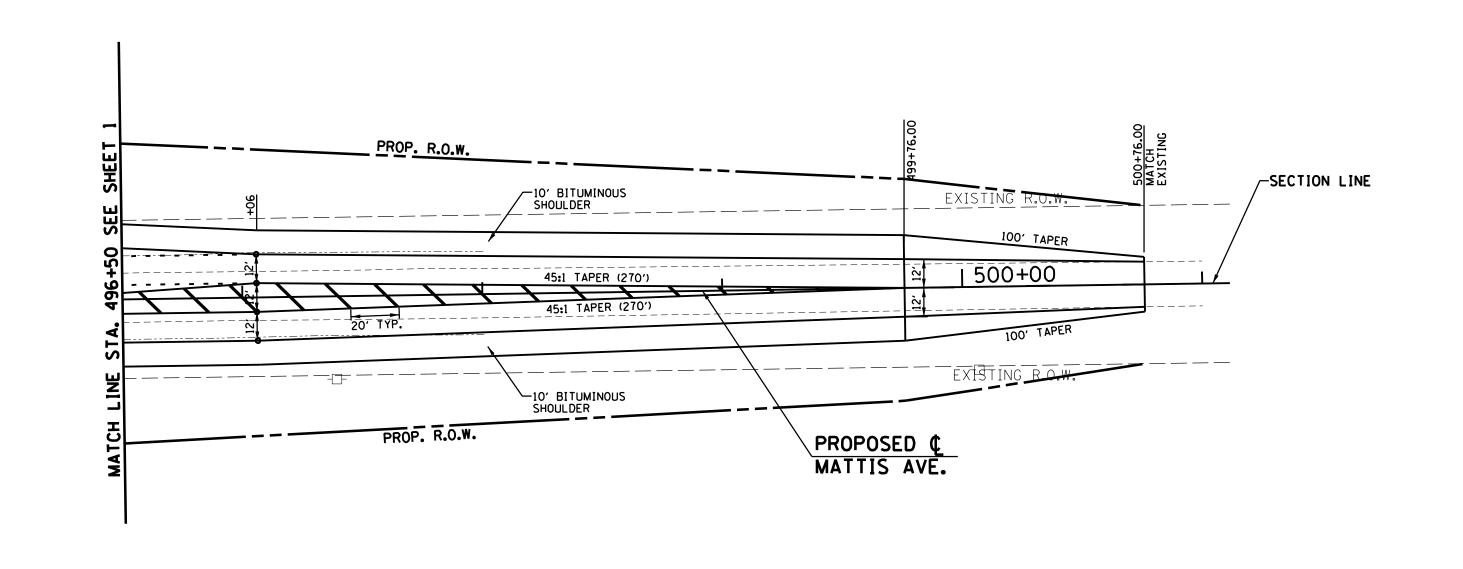


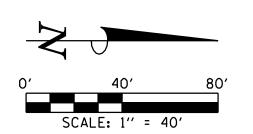
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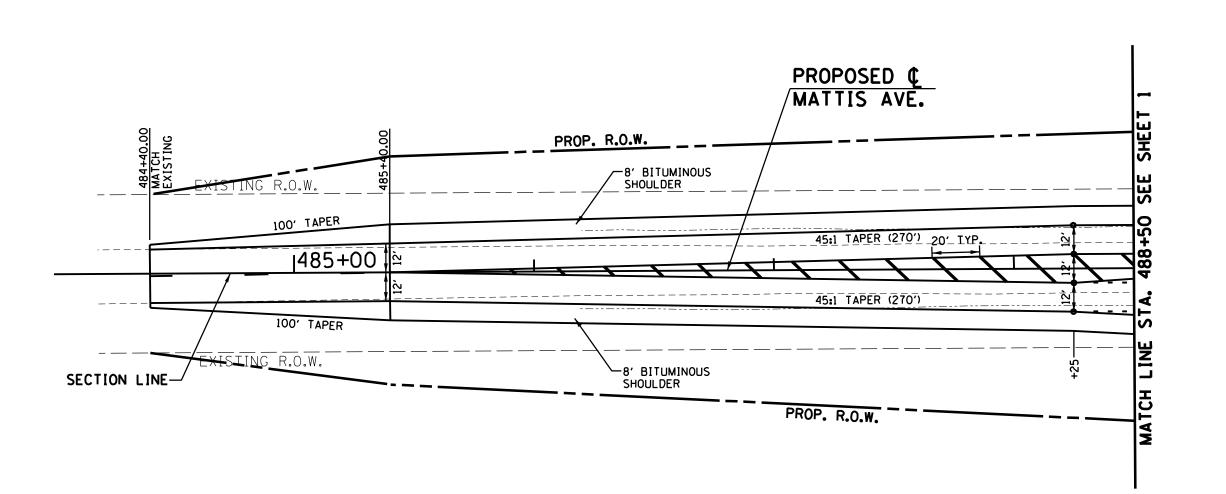




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INTERSECTION DESIGN STUDY

FAP ROUTE 807 (CURTIS ROAD)

WITH

FAU ROUTE 7159 (MATTIS AVENUE)

SEC. NO. 00-00374-00-ES PROJ. NO.

SCALE: 1" = 40' COUNTY CHAMPAIGN

SJN : REV. NO. DATE: 2-04

SATISFACTORY

SATISFACTORY

DISTRICT GEOMETRICS ENGINEER DATE

SATISFACTORY

DISTRICT LOCAL ROADS ENGINEER DATE

SATISFACTORY

DISTRICT PROGRAM DEVELOPMENT ENGINEER DATE

SATISFACTORY

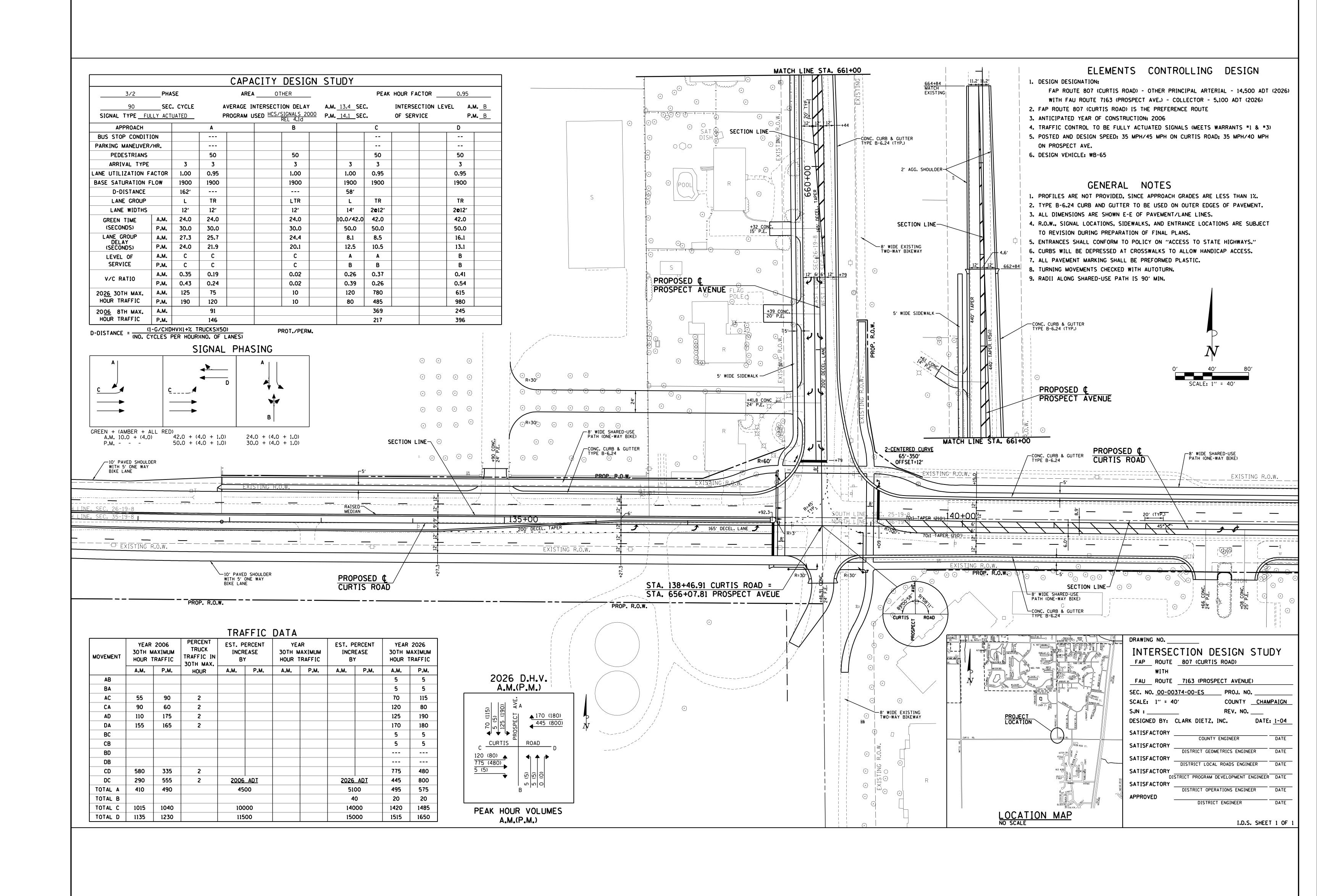
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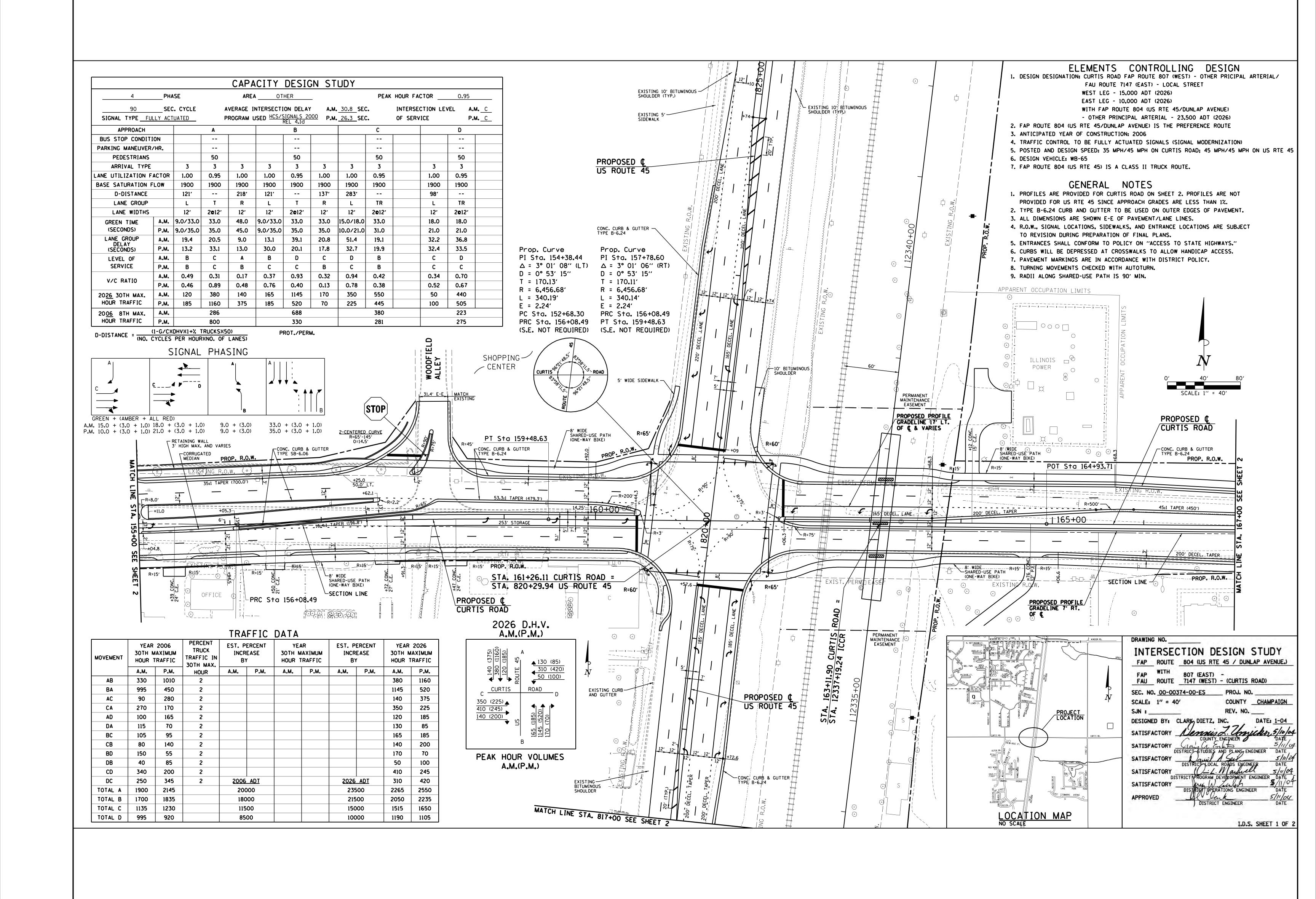
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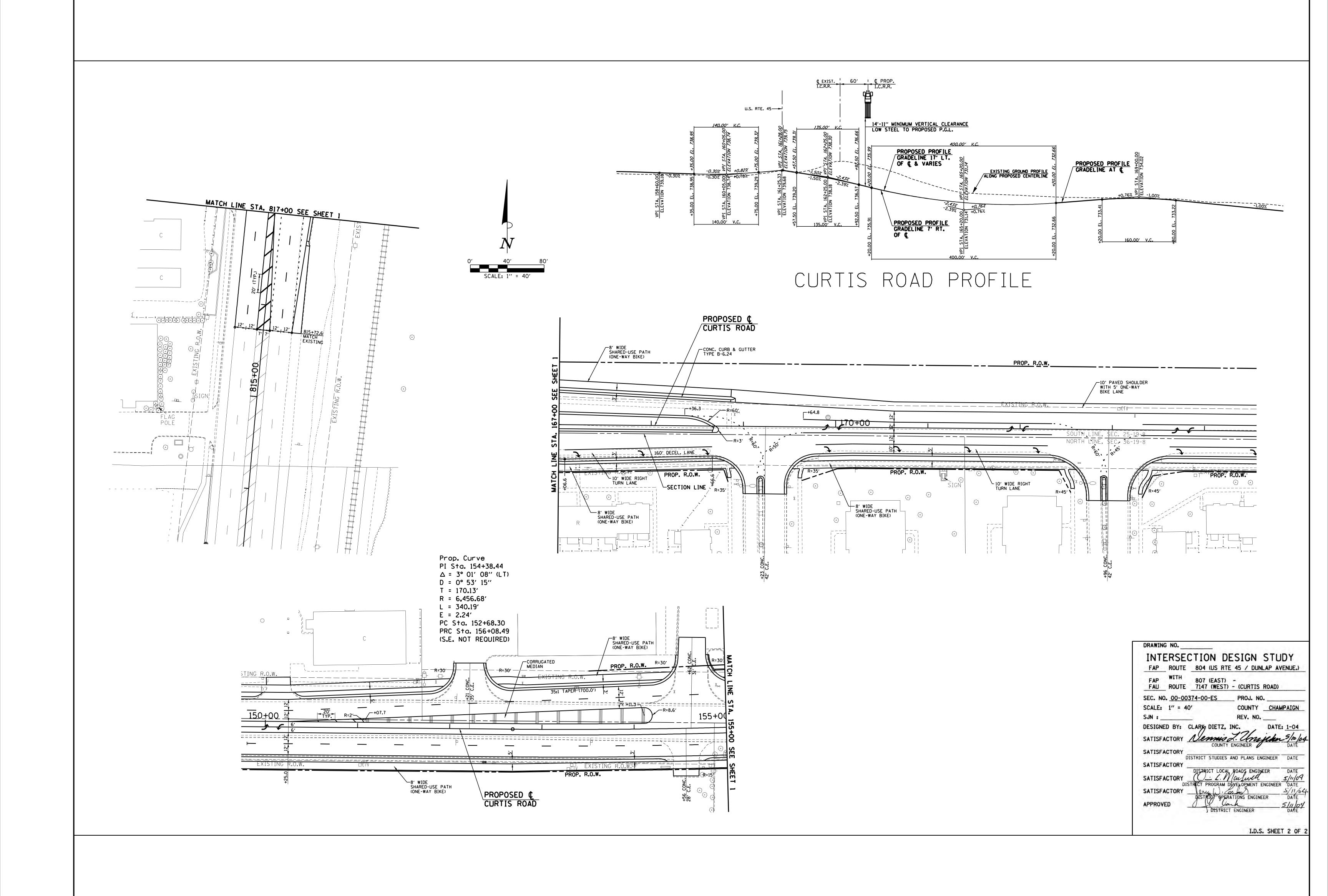
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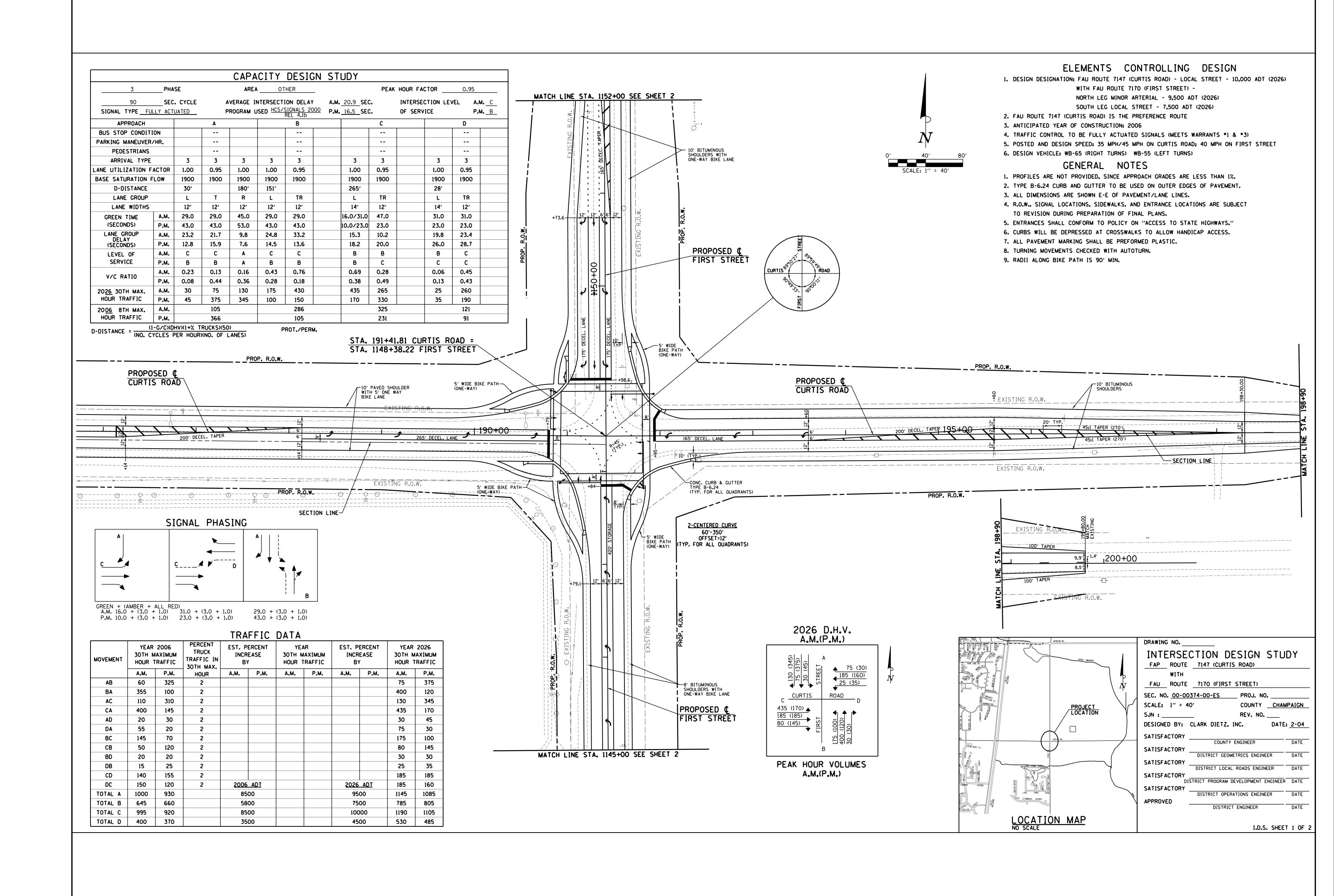
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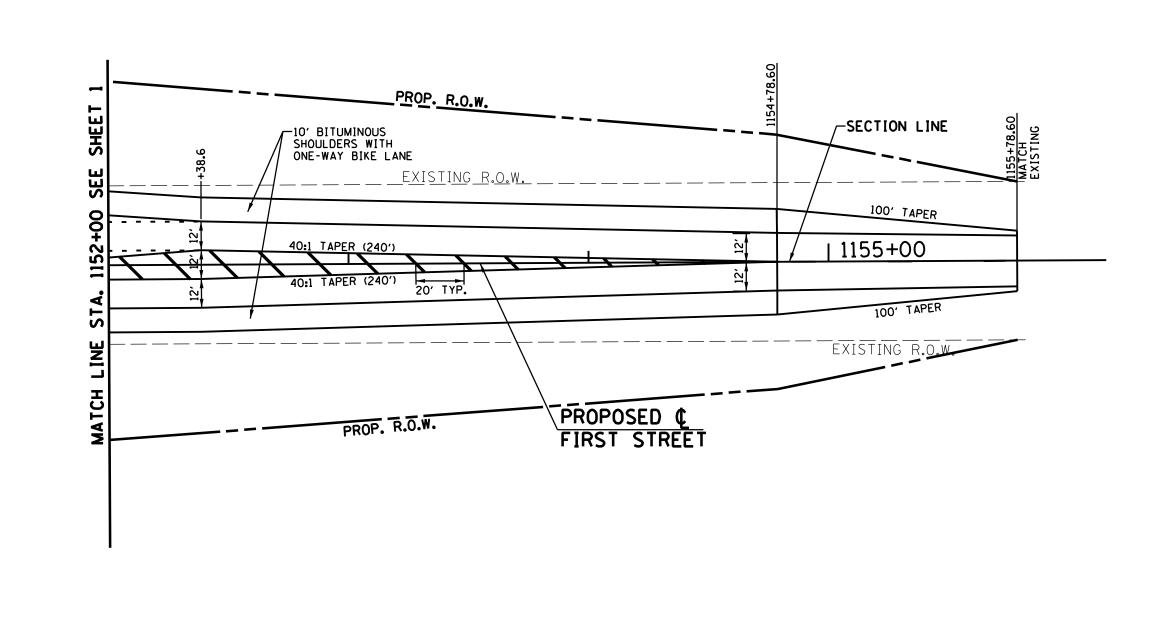
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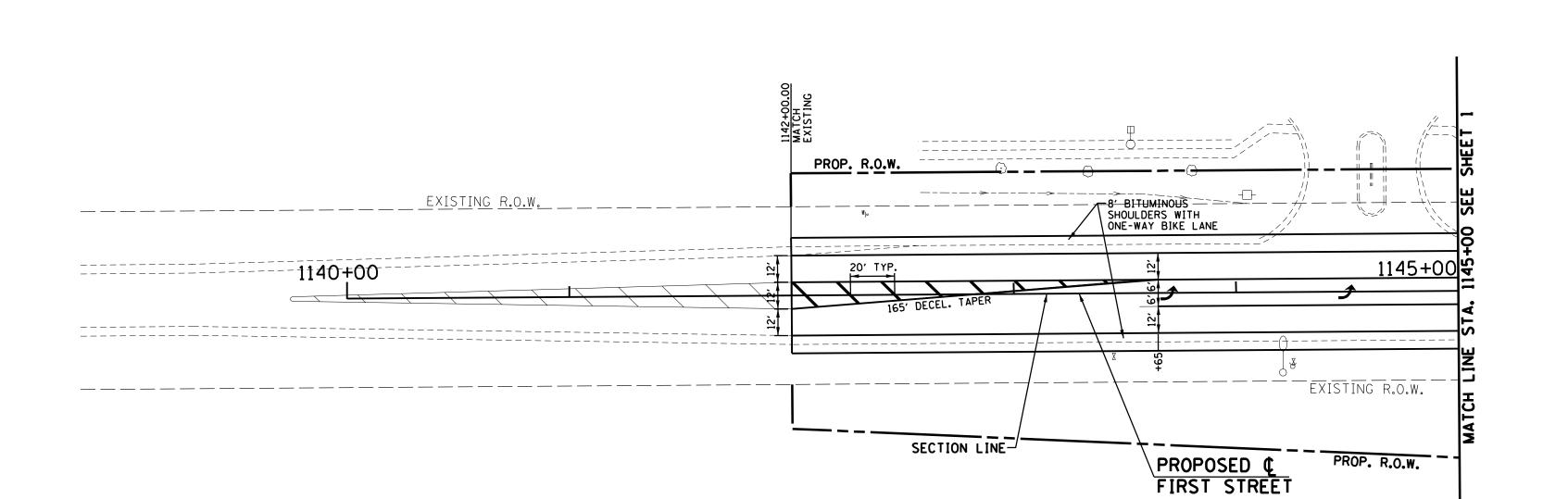






Tracking Number: GRANT13108875





INTERSECTION DESIGN STUDY

FAP ROUTE 7147 (CURTIS ROAD)

WITH

FAU ROUTE 7170 (FIRST STREET)

SEC. NO. 00-00374-00-ES PROJ. NO.

SCALE: 1" = 40' COUNTY CHAMPAIGN

SJN : REV. NO. DATE: 2-04

SATISFACTORY

COUNTY ENGINEER DATE

SATISFACTORY

DISTRICT GEOMETRICS ENGINEER DATE

SATISFACTORY

DISTRICT PROGRAM DEVELOPMENT ENGINEER DATE

SATISFACTORY

DISTRICT OPERATIONS ENGINEER DATE

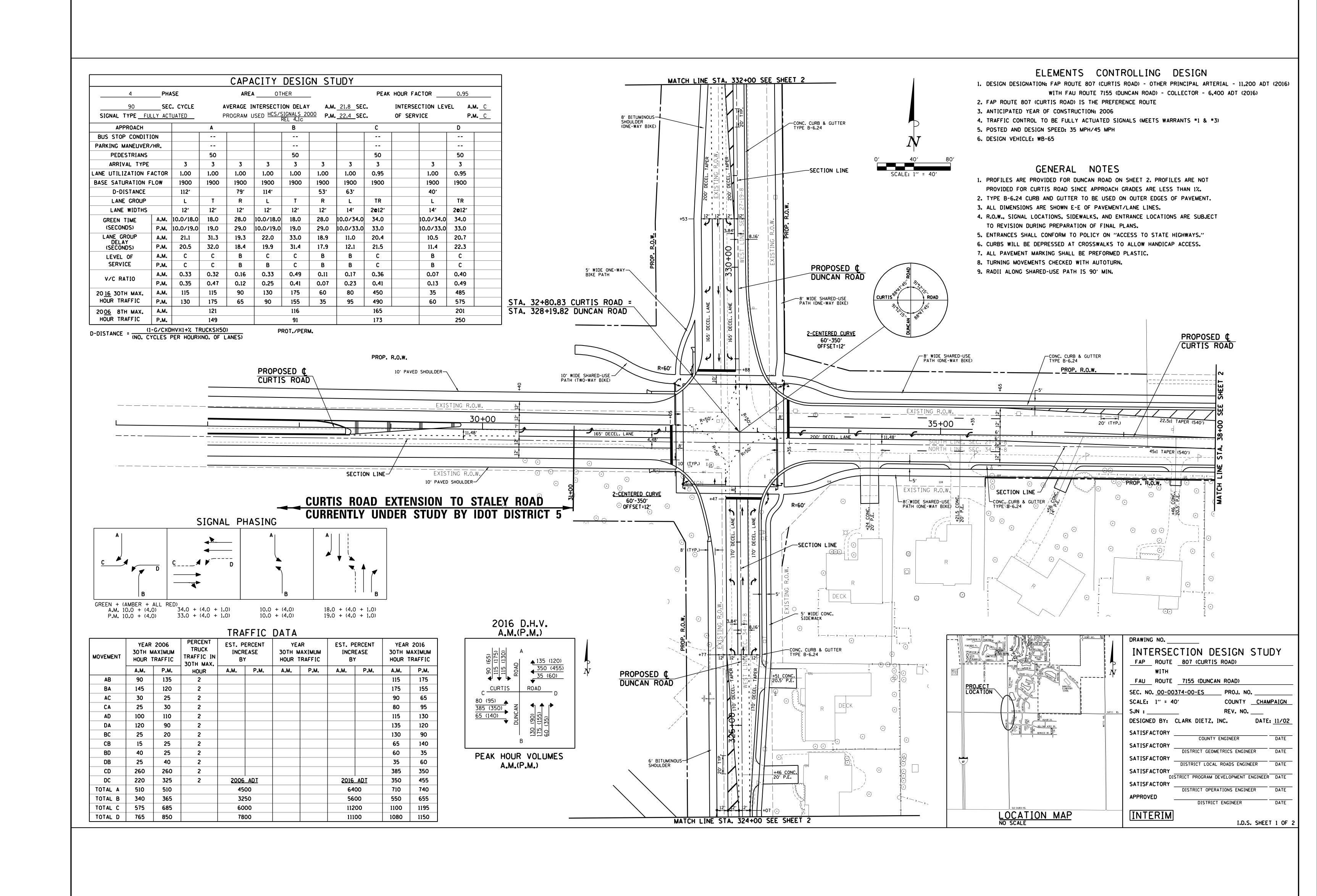
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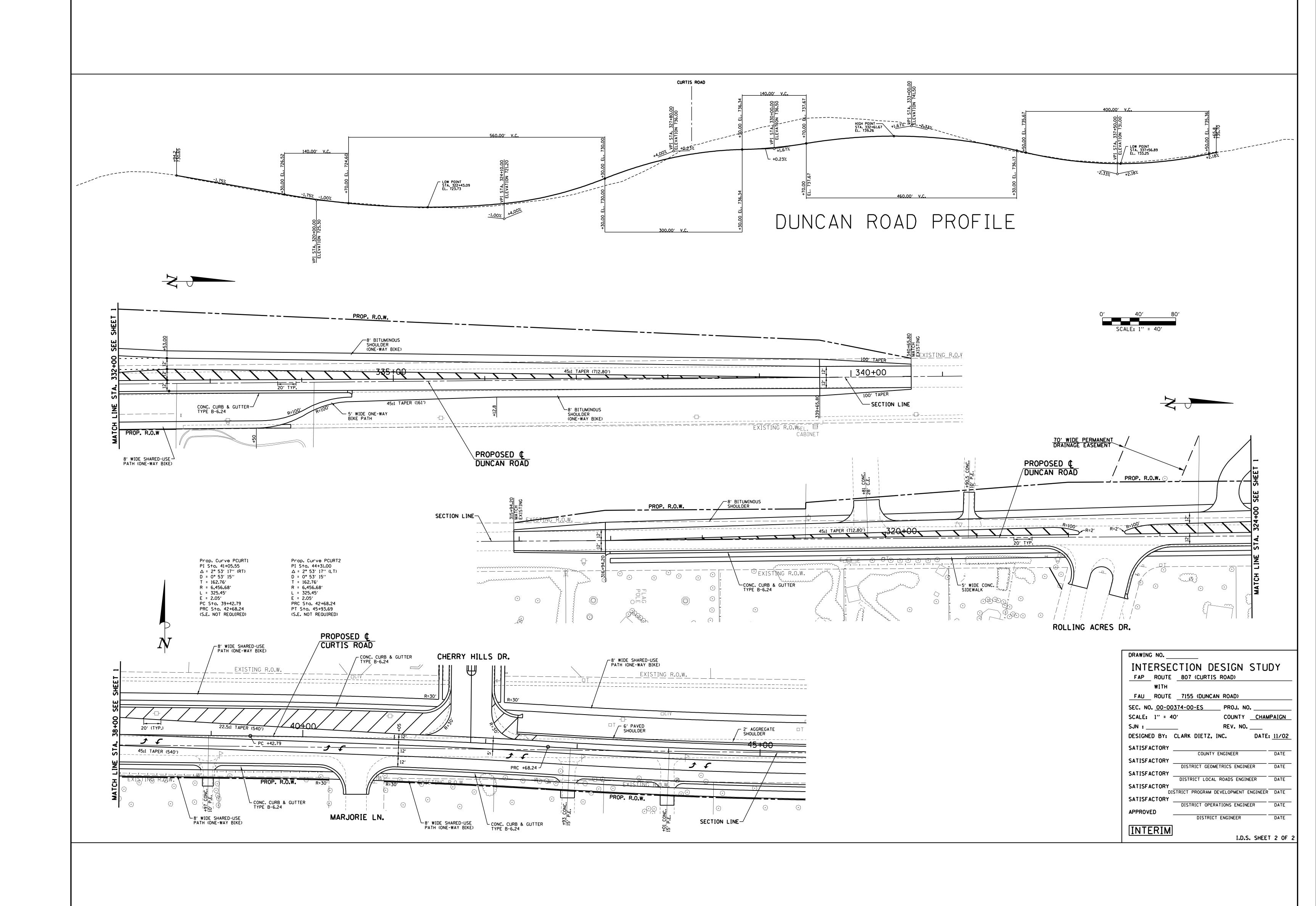
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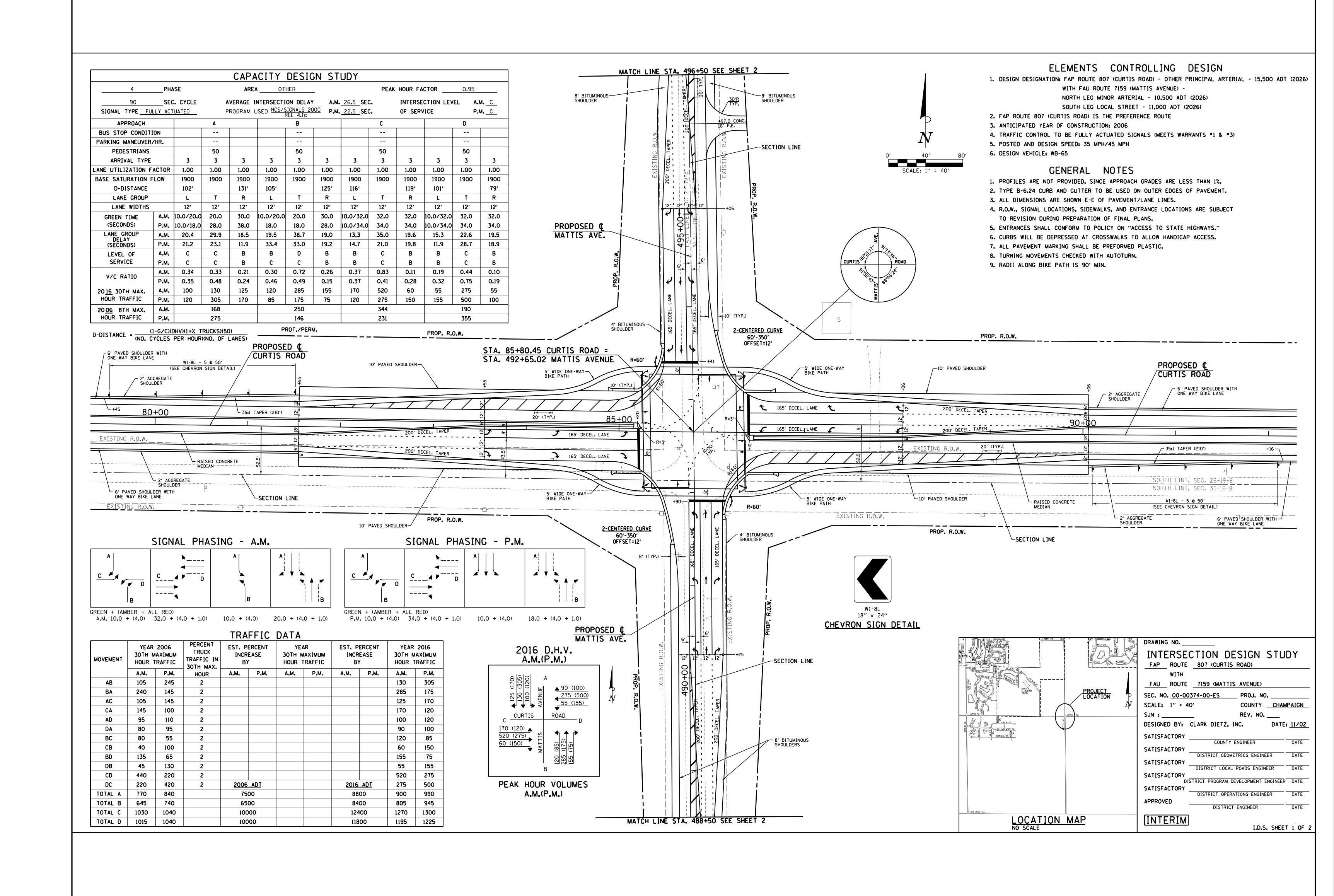
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DISTRICT ENGINEER DATE

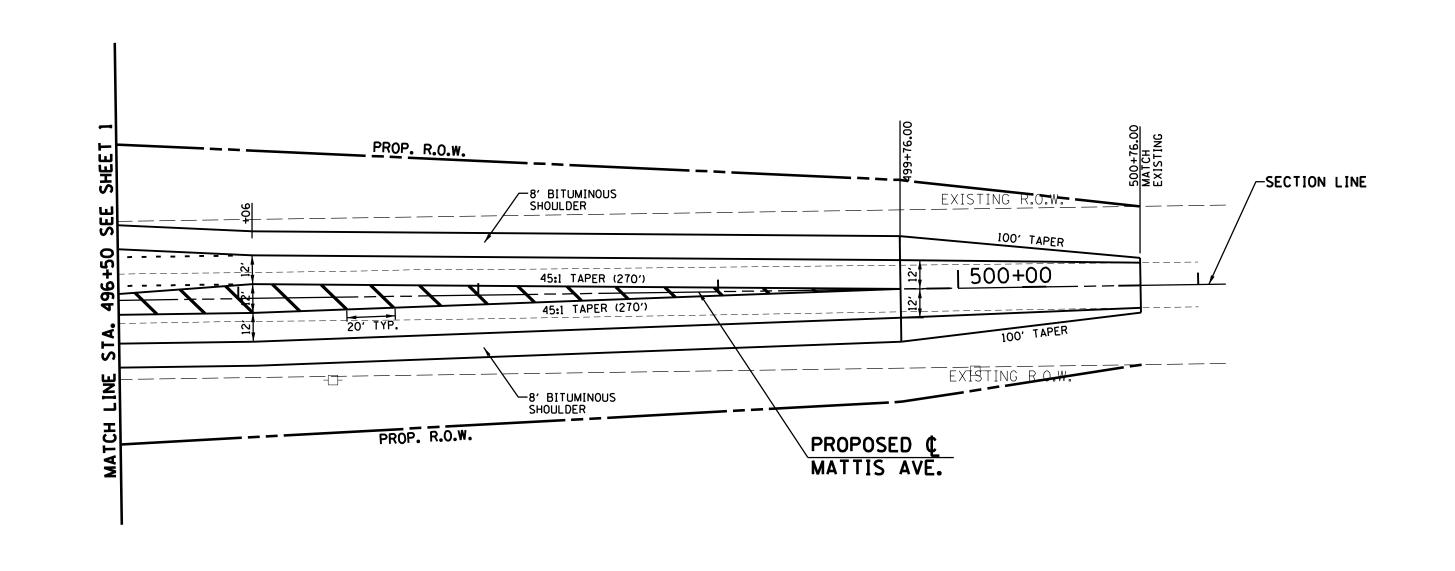
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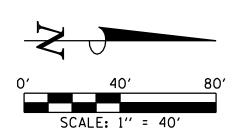


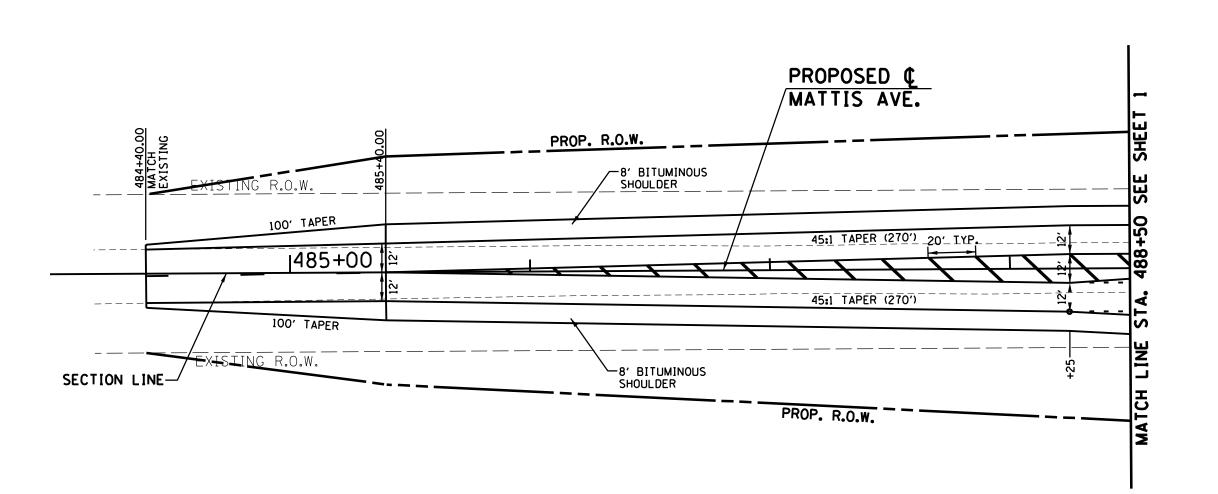




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INTERSECTION DESIGN STUDY

FAP ROUTE 807 (CURTIS ROAD)

WITH

FAU ROUTE 7159 (MATTIS AVENUE)

SEC. NO. 00-00374-00-ES PROJ. NO.

SCALE: 1" = 40' COUNTY CHAMPAIGN

SJN: REV. NO. DATE: 11/02

SATISFACTORY

SATISFACTORY

DISTRICT GEOMETRICS ENGINEER DATE

SATISFACTORY

DISTRICT PROGRAM DEVELOPMENT ENGINEER DATE

SATISFACTORY

DISTRICT OPERATIONS ENGINEER DATE

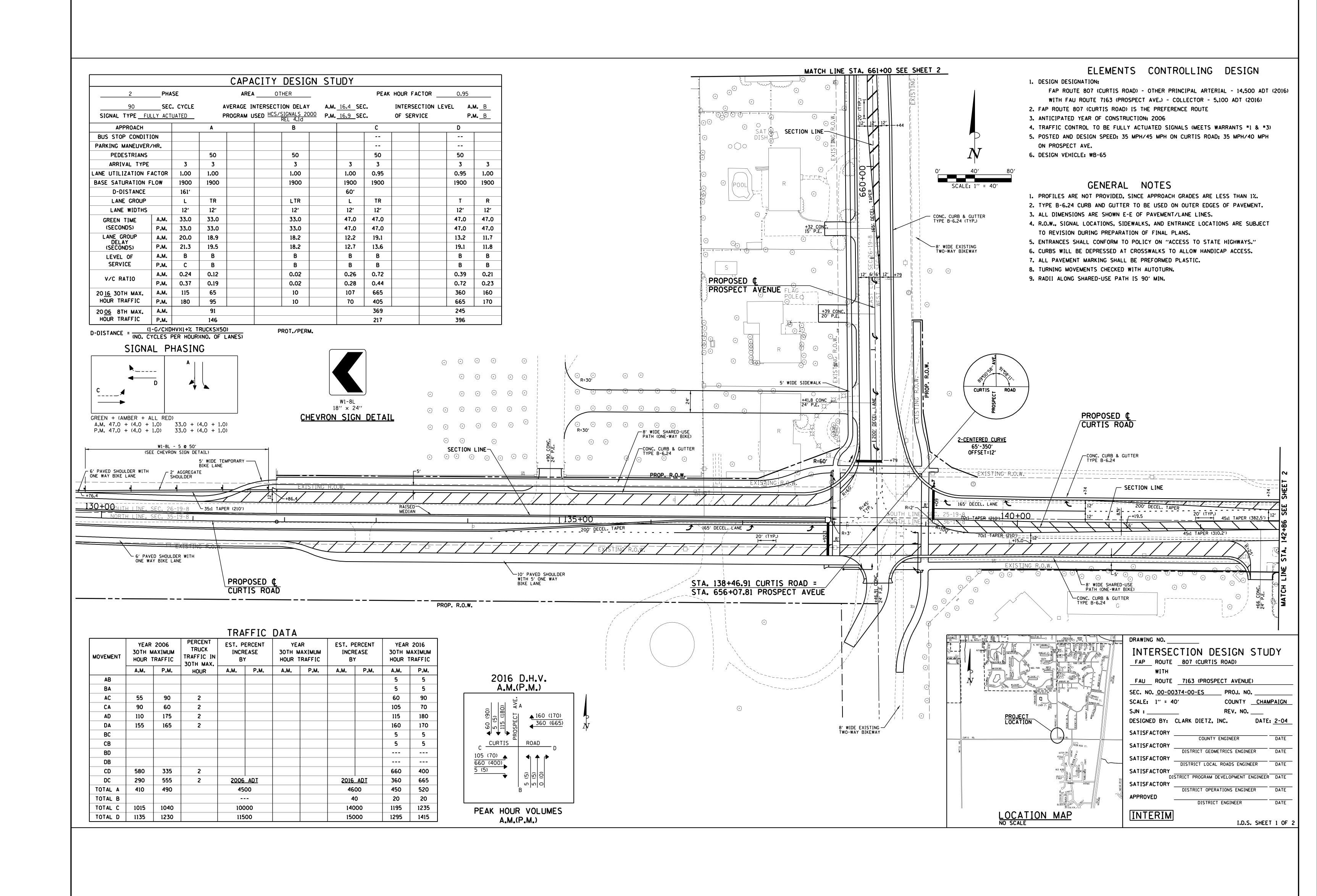
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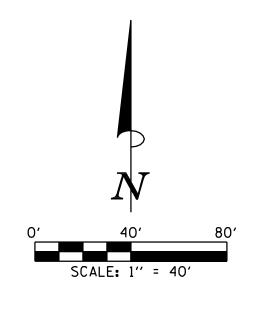
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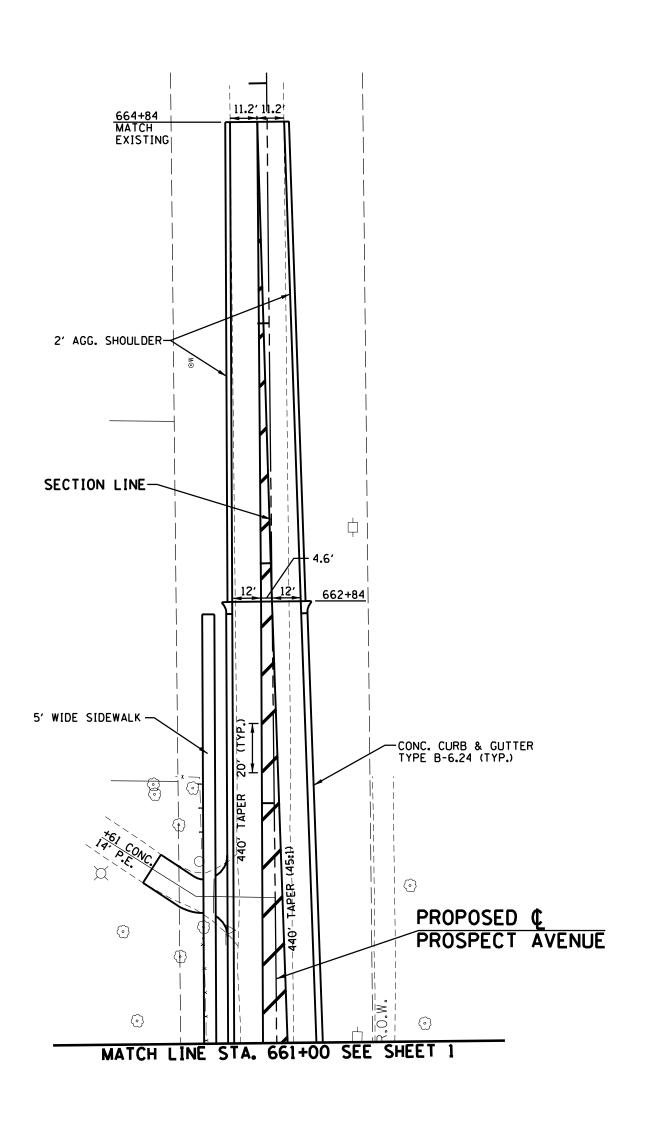
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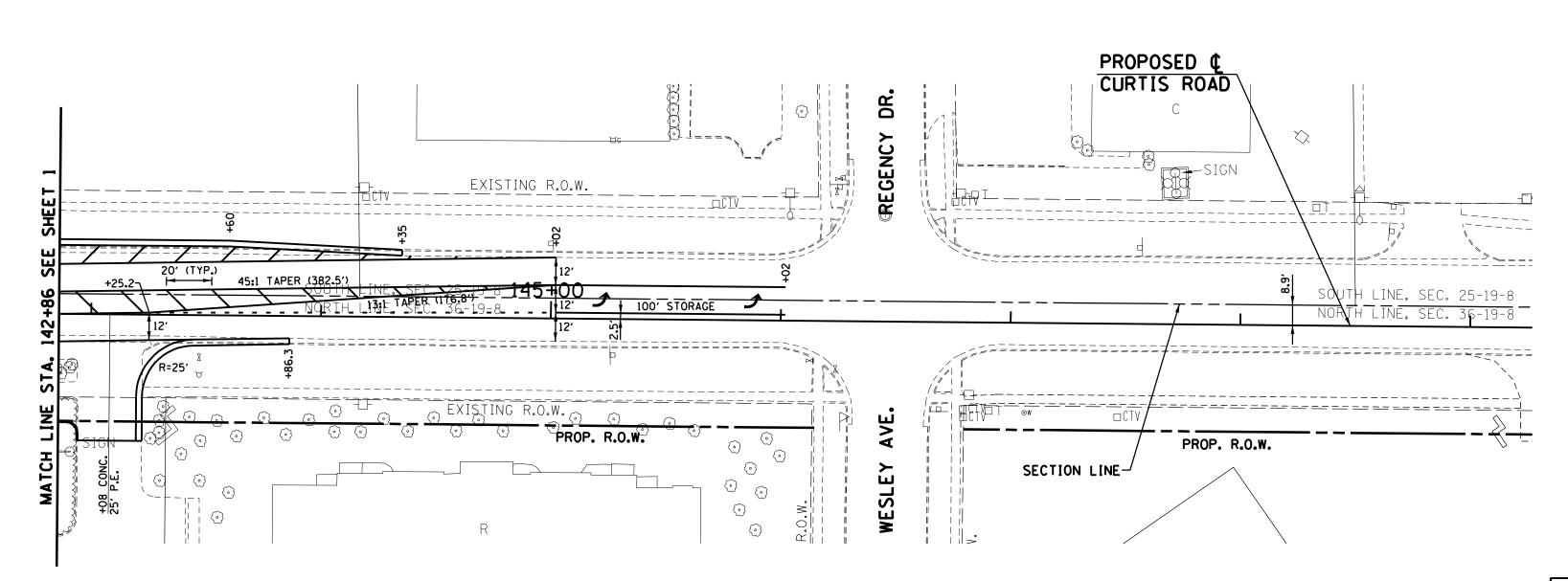
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INTERSECTION DESIGN STUDIES (INTERIM BUILD)









INTERSECTION DESIGN STUDY

FAP ROUTE 807 (CURTIS ROAD)

WITH

FAU ROUTE 7163 (PROSPECT AVENUE)

SEC. NO. 00-00374-00-ES PROJ. NO.

SCALE: 1" = 40' COUNTY CHAMPAIGN

SJN: REV. NO.

DESIGNED BY: CLARK DIETZ, INC. DATE: 2-04

SATISFACTORY

SATISFACTORY

DISTRICT GEOMETRICS ENGINEER DATE

SATISFACTORY

DISTRICT LOCAL ROADS ENGINEER DATE

SATISFACTORY

DISTRICT PROGRAM DEVELOPMENT ENGINEER DATE

SATISFACTORY

DISTRICT OPERATIONS ENGINEER DATE

INTERIM

I.D.S. SHEET 2 OF

INTERSECTION DESIGN STUDIES (INTERIM BUILD)